

Bosna i Hercegovina

Босна и Херцеговина



INSTITUT ZA INTELEKTUALNO VLASNIŠTVO
BOSNE I HERCEGOVINE

ИНСТИТУТ ЗА ИНТЕЛЕКТУАЛНУ СВОЈИНУ
БОСНЕ И ХЕРЦЕГОВИНЕ

GLASNIK GLASILO ГЛАСНИК

**OBJAVA ZAHTEVA ZA PROŠIRENJE EVROPSKIH PRIJAVA
PATENATA**

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PATENATA**

**ОБЈАВА ЗАХТЈЕВА ЗА ПРОШИРЕЊЕ ЕВРОПСКИХ ПРИЈАВА
ПАТЕНАТА**

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(72) BORGHI, Elsa, 75012 PARIS, FR
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(54) A POWER SUPPLY SYSTEM FOR AN ELECTRIC ARC FURNACE
(71) CEA GROUP S.R.L., Via G. Cacciamali, 4, 25125 Brescia, IT
(72) FUSARI, Oreste, 25125 Brescia, IT

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(72) MERCURI, Luigi, 00071 Pomezia (RM), IT
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THE TREATMENT OF GENITOURINARY INFECTIONS

- (71) URIACH ITALY S.r.l., Centro Direzionale Milanofiori SNC Palazzo F6 Strada 1, 20090 Assago (MI), IT
(72) SECONDINI, Lorenzo, 20090 Assago (Mi), IT
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(72) BUSHABOINA, Mallesh, Bangalore 560 100, IN
CHEN, Xin, Cambridge, Massachusetts 02139, US
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- (54) METHODS FOR THE SYNTHESIS OF PROTEIN-
DRUG CONJUGATES
(72) BORCHARDT, Allen, San Diego, CA 92111, US
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- COMPOSITIONS AND METHODS FOR USING
SAME
(72) KAPUR, Anil, Foster City, California 94404, US
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HEAD AND NECK CANCER
(71) Oncnostics GmbH, Löbstedter Strasse 41, 07749
Jena, DE
(72) GUNTINAS-LICHIUS, Orlando, 07747 Jena, DE
STEINBACH, Daniel, 07747 Jena, DE
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HEART AND BLOOD VESSEL DISEASES
(72) JANKOWSKI, Joachim, 52159 ROETGEN, DE
WU, Zhuojun, 52072 AACHEN, DE
ORTH-ALAMPOUR, Setareh, 50668 KÖLN, DE
ARGILÉS CISCART, Àngel, 34980 SAINT-GÉLY-DU-
FESC, FR
GAYRARD, Nathalie, 34090 MONTPELLIER, FR

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ANTIBODY LINKED BY CONJUGATION TO ONE OR
MORE 8-HET-2- AMINO BENZAZEPINE
DERIVATIVES USEFUL IN TREATING CANCER
(72) ACKERMAN, Shelley Erin, Redwood City, California
94063, US
ALONSO, Michael N., Redwood City, California 94063,
US
DORNAN, David, Redwood City, California 94063, US
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US
LEE, Arthur, Redwood City, California 94063, US
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SAFINA, Brian, Redwood City, California 94063, US
ZHOU, Matthew, Redwood City, California 94063, US

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(54) AN APPARATUS FOR TRANSMITTING ULTRASONIC
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(72) ALSHAIBA SALEH GHANNAM ALMAZROUEI,
Mohammed, Abu Dhabi, AE
MACHOVEC, Jeff, Abu Dhabi, AE
LAMOUREUX, Clement, Abu Dhabi, AE

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(54) ANTI-HER2 IMMUNOCONJUGATES, AND USES
THEREOF
(72) ACKERMAN, Shelley Erin, Redwood City, California
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ALONSO, Michael N., Redwood City, California 94063,
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KUDIRKA, Romas, Redwood City, California 94063,
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LEE, Arthur, Redwood City, California 94063, US
SAFINA, Brian, Redwood City, California 94063, US
ZHOU, Matthew, Redwood City, California 94063, US

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 (54) IL-2 MUTEINS FOR TREATING AUTOIMMUNE AND INFLAMMATORY DISEASES
 (72) ALVES, Stephen, E., Cambridge, Massachusetts 02141, US
 AZADI, Glareh, San Francisco, California 94080, US
 BEAUMONT, Maribel, San Francisco, California 94080, US
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 ZHANG-HOOVER, Jie, Boston, Massachusetts 02115-5727, US

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 (54) ENGINEERED MUSCLE TARGETING COMPOSITIONS
 (71) President And Fellows Of Harvard College, 17 Quincy Street, Cambridge, Massachusetts 02138, US
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue, Cambridge, MA 02139, US
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 (71) Ingénierie et Analyse en Génétique Environnementale,

- 335 Rue Louis Lépine, 34000 Montpellier, FR
 (72) DURANDET, Franz, 34980 MONTFERRIER SUR LEZ, FR
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 SAKSAKA, Jawhar, 34000 MONTPELLIER, FR
 COUILLEROT, Olivier, 34820 ASSAS, FR

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 (72) SRIDHAR, Sriyani, Cambridge, Massachusetts 02139, US
 ZHANG, Yong, Cambridge, Massachusetts 02139, US
 HARRINGTON, William Frederick, Cambridge, Massachusetts 02139, US
 GOEL, Surbhi, Cambridge, Massachusetts 02139, US

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 (54) IMPROVED HORIZONTAL WIND TURBINE
 (71) Tereshchuk, Nikolai Nikolayevich, Leningradskaya str, 11- 120 Krasnoyarsky krai, Norilsk 663318, RU
 (72) VOROBIEV, Valerii Yurevich, Krasnoyarsk, 660135, RU

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 (54) COMPOSITIONS AND METHODS FOR
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 (72) HARRINGTON, William Frederick, Cambridge,
 Massachusetts 02139, US
 GOEL, Surbhi, Cambridge, Massachusetts 02139, US

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 (72) MICHALON, Aubin, 5400 Baden, CH
 GRIMM, Jan, 8600 Dübendorf, CH

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 (54) CONTROLLING THE GROWTH OF VEGETATION
 (71) Bionome Technology Limited, 142a Station Road,
 Chingford London E4 6AN, GB
 (72) MCCARTHY, Dennis, 142a Station Road Chingford,
 London E4 6AN, GB
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A61K 39/00 2006 (97) EP 4221741
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 (54) AMIDATED PEPTIDES AND THEIR DEAMIDATED
 COUNTERPARTS DISPLAYED BY NON-HLA-A*02
 FOR USE IN IMMUNOTHERAPY AGAINST
 DIFFERENT TYPES OF CANCERS

(72) HUKELMANN, Jens, 72076 Tübingen, DE
 SCHUSTER, Heiko, 72076 Tübingen, DE
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 KOWALEWSKI, Daniel, 72076 Tübingen, DE
 RÖMER, Michael, 72076 Tübingen, DE
 SCHOOR, Oliver, 72076 Tübingen, DE

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C07C 235/60 2006 (97) EP 4211117
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 METHOXYBENZAMIDO)METHYL)PHENYL)-1-(1,1,1-
 TRIFLUOROPROPANE-2-YL)-1H-PYRAZOLE-4-
 CARBOXAMIDE
 (72) ARGUELLES DELGADO, Alonso Jose, Indianapolis,
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 (54) USE OF LEPRAGONISTS FOR PAIN
 (72) ORAL, Elif Arioglu, Ann Arbor, Michigan 48105, US
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 FOSS DE FREITAS, Maria Cristina, Ypsilanti,
 Michigan 48197, US

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(54) ADJUVANT DURVALUMAB IN COMBINATION WITH CHEMOTHERAPY FOR TREATMENT OF CANCER
(72) DENNIS, Phillip, Wilmington, Delaware 19850-5437, US
POOLE, Lynne, Cambridge Cambridgeshire CB2 0AA, GB
MAY, Rena, Wilmington, Delaware 19850-5437, US

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(54) MODULATORS OF THE INTEGRATED STRESS RESPONSE PATHWAY
(72) ATTON, Holly Victoria, Abingdon Oxfordshire OX14 4RZ, GB
BROWN, Christopher John, Abingdon Oxfordshire OX14 4RZ, GB
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A61P 35/00 2006
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202063084963 P 2020-09-29 US
(54) AMIDATED PEPTIDES AND THEIR DEAMIDATED COUNTERPARTS DISPLAYED BY HLA-A*02 FOR USE IN IMMUNOTHERAPY AGAINST DIFFERENT

- TYPES OF CANCERS
(72) HUKELMANN, Jens, 72076 Tübingen, DE
SCHUSTER, Heiko, 72076 Tübingen, DE
HANNEN, Ricarda, 72076 Tübingen, DE
SCHRÄDER, Christoph, 72076 Tübingen, DE
FRITSCHKE, Jens, 72076 Tübingen, DE
HOFFGAARD, Franziska, 72076 Tübingen, DE
KOWALEWSKI, Daniel, 72076 Tübingen, DE
SCHOOR, Oliver, 72076 Tübingen, DE

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A61P 35/00 2006
C07K 16/28 2006
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(54) COMPOSITION COMPRISING A COMBINATION OF IMMUNE CHECKPOINT INHIBITOR AND ANTIBODY-AMATOXIN CONJUGATE FOR USE IN CANCER THERAPY
(72) KULKE, Michael, 68526 Ladenburg, DE
HECHLER, Torsten, 68526 Ladenburg, DE
PAHL, Andreas, 68526 Ladenburg, DE
MÜLLER, Christoph, 68526 Ladenburg, DE
WERNER-SIMON, Susanne, 68526 Ladenburg, DE

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(97) EP 4244708, 8/5/2026 202632, de
(31) 14652020 (32) 2020-11-16 (33) CH
(54) METHOD FOR SETTING PARAMETERS OF A TRANSFER FUNCTION
(71) Quantonomics GmbH, Limmatquai 112, 8001 Zürich, CH
(72) SONDEREGGER, Lars B., 8125 Zollikoberg, CH

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C12N 15/113 2010
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(54) COMPOSITIONS AND METHODS FOR SIMULTANEOUSLY MODULATING EXPRESSION OF GENES
(72) SELVARAJ, Justin, Antony, 4057 Basel, CH
ZUIDVELD, Klaas, Pieter, 4057 Basel, CH
SCHAFFHAUSER, Herve, 4057 Basel, CH
HILLMANN-WULLNER, Petra, 4057 Basel, CH
METZGER, Friedrich, 4057 Basel, CH

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(54) METHOD OF MAKING A FOOD PRODUCT
(72) Di Ciaccio, Marina, Feltham, TW14 8HA, GB
Franzese, Tullia, Feltham, TW14 8HA, GB
Barbetta, Cristiano, Feltham, TW14 8HA, GB

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(54) RAPID-ACTING INSULIN COMPOSITIONS
(72) AKERS, Michael Patrick, Indianapolis, IN 46206-6288, US
MAJUMDAR, Ranajoy, Indianapolis, IN 46206-6288, US
NGUYEN, Chi A., Indianapolis, IN 46206-6288, US
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 LOLKEMA, Martijn, Thousand Oaks, California 91320-1799, US
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RODRIGO IMEDIO, Esteban, 1006 Lausanne, CH

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LEMOS, Filipa Gláucia Rodrigues, 3060-197

Cantanhede, PT

NOGUEIRA, Cristiana Andreia Pereira, 3060-197

Cantanhede, PT

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(72) CUTSHALL, Neil S., Seattle, Washington 98119, US

HADD, Mark A., Seattle, Washington 98119, US

KESHIPEDDY, Santosh Kumar, Seattle, Washington

98119, US

LEMUS, Robert H., Seattle, Washington 98119, US

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(72) STIEGLMAIER, Julia, 81477 Munich, DE

KISCHEL, Roman, 81477 Munich, DE

KOUROS-MEHR, Hosein, Thousand Oaks, CA 91320-1799, US

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 (54) HEAT NOT BURN VAPORIZER DEVICES
 (72) ATKINS, Ariel, Washington, DC 20004, US
 BELISLE, Christopher L., Washington, DC 20004, US
 BUENAVENTURA, Orville F., Washington, DC 20004, US
 CHEUNG, Brandon, Washington, DC 20004, US
 CHRISTENSEN, Steven, Washington, DC 20004, US
 HARMON, Andrew, S., Washington, DC 20004, US
 HOOPAI, Alexander, M., Washington, DC 20004, US
 JOHNSON, Eric, Joseph, Washington, DC 20004, US
 JORDAN, Wayne A., Washington, DC 20004, US
 KING, Jason, Washington, DC 20004, US
 KNIGHT-HAWLEY, Justine M., Washington, DC 20004, US
 KURZMAN, Joshua, A., Washington, DC 20004, US
 LEON DUQUE, Esteban, Washington, DC 20004, US
 LOMELI, Kevin, Washington, DC 20004, US
 MARQUEZ, Johnathan A., Washington, DC 20004, US
 MURPHY, Andrew, L., Washington, DC 20004, US
 PELOCHINO, John R., Washington, DC 20004, US
 SCHRAY, Jason, G., Washington, DC 20004, US
 VALENTINE, Val, Washington, DC 20004, US
 WU, Eric, Washington, DC 20004, US
 YEE, Wing W., Washington, DC 20004, US

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 (72) DAVAR, Nipun, Tokyo 101--8535, JP
 KOU, Jim, Tokyo 101--8535, JP
 JAIN, Rachna, Tokyo 101--8535, JP
 OGANESIAN, Aram, Tokyo 101--8535, JP
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 KEER, Harold, Tokyo 101--8535, JP

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 (54) 4-PYRAZOLO[1,5-A]PYRIDIN-2-YL-4,5,6,7-TETRAHYDRO-1 H-IMIDAZO[4,5-C]PYRIDINE DERIVATIVES AS MUTANT PAH PROTEIN STABILIZERS FOR THE TREATMENT OF

PHENYLKETONURIA
 (72) DE PASCALIS, Lucrezia, Cambridge, MA 02139, US
 LIU, Peng, Cambridge, MA 02139, US
 NAKHLA, Mina C., Ottawa, ON K1L 0B7, CA
 SHOOK, Brian, Holliston, MA 01746, US

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 (54) 4-PYRAZOLO[1,5-A]PYRIDIN-2-YL-4,5,6,7-TETRAHYDRO-1H-IMIDAZO[4,5-C]PYRIDINE DERIVATIVES AS MUTANT PAH PROTEIN STABILIZERS FOR THE TREATMENT OF PHENYLKETONURIA
 (72) DE PASCALIS, Lucrezia, Cambridge, MA 02139, US
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 (54) HEAT NOT BURN VAPORIZER DEVICES
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 (72) ATKINS, Ariel, Washington, DC 20004, US
 BELISLE, Christopher L., Washington, DC 20004, US
 BUENAVENTURA, Orville F., Washington, DC 20004, US
 CHEUNG, Brandon, Washington, DC 20004, US
 CHRISTENSEN, Steven, Washington, DC 20004, US
 HARMON, Andrew S., Washington, DC 20004, US
 HOOPAI, Alexander M., Washington, DC 20004, US
 JOHNSON, Eric Joseph, Washington, DC 20004, US
 KING, Jason, Washington, DC 20004, US
 KNIGHT-HAWLEY, Justine M., Washington, DC 20004, US
 KURZMAN, Joshua A., Washington, DC 20004, US
 LEON DUQUE, Esteban, Washington, DC 20004, US
 LOMELI, Kevin, Washington, DC 20004, US
 MARQUEZ, Johnathan A., Washington, DC 20004, US
 MURPHY, Andrew L., Washington, DC 20004, US
 PELOCHINO, John R., Washington, DC 20004, US
 SCHRAY, Jason G., Washington, DC 20004, US
 VALENTINE, Val, Washington, DC 20004, US
 JORDAN, Wayne A., Washington, DC 20004, US
 WU, Eric, Washington, DC 20004, US

YEE, Wing W., Washington, DC 20004, US

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(54) PERFORATING MACHINE AND METHOD FOR
PRODUCING A PERFORATED MATERIAL SECTION
(71) WISTA Werkzeugfertigungs- GmbH, Buchäckerring 27,
74906 Bad Rappenau, DE
(72) FUCHS, Alexander, 74889 Sunsheim, DE

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(54) ANTI-IL-13 MULTISPECIFIC ANTIBODY
CONSTRUCTS AND USES THEREOF
(72) ZHENG, Yan, Redwood City, CA 94065, US
TANG, Jie, Redwood City, CA 94065, US
WANG, Yan, Redwood City, CA 94065, US
ZHANG, Rui, Redwood City, CA 94065, US
XU, Minghui, Redwood City, CA 94065, US
SHEN, Wenyan, Redwood City, CA 94065, US
TANG, Danming, Redwood City, CA 94065, US

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ACCEPTABLE SALT THEREOF, IN COMBINATION
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(72) KARANOVIC, Djuro, Wilmington, Delaware 19850-
5437, US
GLOVER, Colin Paul Jonathan, Cambridge Biomedical
Campus Cambridge CB2 0AA, GB
POLANSKA, Urszula Maria, Cambridge Biomedical
Campus Cambridge CB2 0AA, GB
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Cambridge CB2 0AA, GB
TRIGG, William John, Cambridge Biomedical Campus
Cambridge CB2 0AA, GB
FAN, Chunling, Wilmington, Delaware 19850-5437, US
MUNDIN, Gillian Elizabeth, Cambridge Biomedical
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Limited, GSK Medicines Research Center Gunnels
Wood Road, Stevenage SG1 2NY, GB
(72) TINWORTH, Christopher Patrick, Stevenage,
Hertfordshire SG1 2NY, GB
TRULLI, Laura, 28760 Tres Cantos Madrid, ES

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(72) BELL, Frederic, 21121 DAIX, FR
BROSSEAU, Cécile, 21121 DAIX, FR
ZUBAR, Viktoriia, 75011 PARIS, FR

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EDITING SYSTEMS COMPRISING SUCH
(72) ALFONSE, Lauren E., Cambridge, Massachusetts
02140, US
MABEN, Zachary J., Cambridge, Massachusetts
02140, US
TORGERSON, Chad D., Cambridge, Massachusetts
02140, US
WATTERS, Kyle E., Cambridge, Massachusetts
02140, US

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 202463553974 P 2024-02-15 US
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 (54) REVERSE TRANSCRIPTION-MEDIATED GENE EDITING SYSTEMS AND USES THEREOF
 (72) ALFONSE, Lauren E., Cambridge, Massachusetts 02140, US
 JAKIMO, Noah M., Cambridge, Massachusetts 02140, US
 MABEN, Zachary J., Cambridge, Massachusetts 02140, US
 TORGERSON, Chad D., Cambridge, Massachusetts 02140, US
 WATTERS, Kyle E., Cambridge, Massachusetts 02140, US

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 (71) Terns Pharmaceuticals, Inc., 1065 East Hillsdale Blvd., Suite 100, Foster City, CA 94404, US
 (72) PARSONS, Benjamin, M., Foster City California 94404, US
 JONES, Christopher, T., Foster City California 94404, US
 JASPER, Jefferey, R., Foster City California 94404, US

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 (71) Eureka-Concept Srl, Rue Houssière 1, 7911 Frasnes-lez-Anvaing, BE
 (72) MICHEL, Luc, 7911 Frasnes-lez-Anvaing, BE

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 (71) Coultrean Biopharma BV, Gaston Geenslaan 3, 3001 Leuven, BE
 (72) PEIXOTO, Christophe, 93230 Romainville, FR
 DE LEMOS, Elsa, 93230 Romainville, FR
 BOCK, Xavier, Marie, 93230 Romainville, FR
 DUTHION, Béranger, 93230 Romainville, FR
 DESROY, Nicolas, 93230 Romainville, FR
 RABOISSON, Pierre Jean-Marie Bernard, 2800 Mechelen, BE
 GOROKHOVIK, Ioulia, 2800 Mechelen, BE

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 (71) Verona Pharma Limited, 120 Moorgate, London EC2M 6UR, GB
 (72) RICKARD, Kathleen, Cardiff CF10 1FS, GB
 RHEAULT, Tara Renae, Cardiff CF10 1FS, GB

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 (54) A CRYSTALLINE FORM OF 2-(3-(2,,5'-DIFLUORO-[1,1'-BIPHENYL]-4-YL)-2-OXOTETRAHYDROPYRIMIDIN-1(2H)-YL)-4-METHYLTHIAZOLE-5-SULFONAMIDE
 (72) ZONG, Zhixin, San Francisco, California 94080, US
 WU, Yi, San Francisco, California 94080, US

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 (54) A CRYSTALLINE FORM OF 2-(3-(2,,5'-DIFLUORO-[1,1'-BIPHENYL]-4-YL)-2-OXOTETRAHYDROPYRIMIDIN-1(2H)-YL)-4-METHYLTHIAZOLE-5-SULFONAMIDE
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 WU, Yi, San Francisco, California 94080, US

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 (71) Schneider GmbH & Co. KG, Biegenstrasse 8-12, 35112 Fronhausen, DE
 (72) GERRATH, Torsten, 35037 Marburg, DE
 BUCHENAUER, Helwig, 35232 Buchenau, DE

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 (54) REUSABLE DEVICE FOR COOKING A PUFFED FOOD PRODUCT
 (71) Berthault, François, 70, Avenue de Bordeaux, 17240 Saint Genis de Saintonge, FR
 (72) Berthault, François, 70, Avenue de Bordeaux, 17240 Saint Genis de Saintonge, FR

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 (54) SUBSTITUTED HETEROCYCLIC CARBOXAMIDES AND USE THEREOF
 (72) DELBECK, Martina, 42579 Heiligenhaus, DE
 HAHN, Michael, 40764 Langenfeld, DE
 MÜLLER, Thomas, 40764 Langenfeld, DE
 DIETZ, Lisa, 42111 Wuppertal, DE
 WUNDER, Frank, 42117 Wuppertal, DE
 MEIBOM, Daniel, 42113 Wuppertal, DE
 BUCHGRABER, Philipp, 10435 Berlin, DE
 LINDNER, Niels, 42115 Wuppertal, DE

BECKER-PELSTER, Eva Maria, 42327 Wuppertal, DE
 SCHMECK, Carsten, 45472 Mülheim, DE
 LANG, Dieter, 42553 Velbert, DE
 HIMMEL, Herbert, 45239 Essen, DE

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 (54) ANTI-PSMA ADC CONJUGATE COMPOSITIONS AND METHODS OF USE THEREOF
 (72) TIAN, Feng, La Jolla, California 92037, US
 KAO, Claire, La Jolla, California 92037, US
 SKIDMORE, Lillian, La Jolla, California 92037, US
 YAO, Sulan, La Jolla, California 92037, US
 RAMPRASAD, Mysore, La Jolla, California 92037, US

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 (31) 202363581354 P (32) 2023-09-08 (33) US
 (54) REVERSE TRANSCRIPTION-MEDIATED GENE EDITING SYSTEMS AND USES THEREOF
 (72) ALFONSE, Lauren E., Cambridge, Massachusetts 02140, US
 JAKIMO, Noah M., Cambridge, Massachusetts 02140, US
 MABEN, Zachary J., Cambridge, Massachusetts 02140, US
 TORGERSON, Chad D., Cambridge, Massachusetts 02140, US
 WATTERS, Kyle E., Cambridge, Massachusetts 02140, US

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 (54) TRICYCLIC DERIVATIVES AND RELATED USES
 (72) MCGOWAN, Meredith A., Cambridge, Massachusetts 02140, US
 BUTLER, John R., Cambridge, Massachusetts 02140, US

US
TOURE, Momar, Cambridge, Massachusetts 02140, US
WANG, Haoxuan, Cambridge, Massachusetts 02140, US
GUZI, Timothy J., Cambridge, Massachusetts 02140, US
BAI, Yonghong, Cambridge, Massachusetts 02140, US
REUTERSHAN, Michael H., Cambridge, Massachusetts 02140, US
YAN, Xin, Cambridge, Massachusetts 02140, US
SCHENKEL, Laurie B., Cambridge, Massachusetts 02140, US
GAO, Cen, Cambridge, Massachusetts 02140, US
SOSA-ALVARADO, Brian Alexander, Cambridge, Massachusetts 02140, US

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(71) WestRock Packaging Systems, LLC, 1000 Abernathy Road NE, Atlanta GA 30328, US
(72) PALACIOS HERNANDEZ, Juan Carlos, Atlanta, Georgia 30328, US
ZACHERLE, Matthew E., Atlanta, Georgia 30328, US

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(72) ROSE, Peter Jamison, Boston, Massachusetts 02210, US

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(72) VANDER LUGT, Bryan, Thousand Oaks, California 91320-1799, US

HASEGAWA, Haruki, Thousand Oaks, California 91320-1799, US
ESTES, Bram, Thousand Oaks, California 91320-1799, US
SORIANO, Brian D., Thousand Oaks, California 91320-1799, US
THOMSON, Christy Ann, Thousand Oaks, 91320-1799, US

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(72) KOTHARI, Sanjeev Hukmichand, Richmond, CA 94804, US

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(54) METHOD FOR DIAGNOSING AMYLOID DISEASES
(72) WALL, Jonathan S., Knoxville, Tennessee 37902, US
MARTIN-SHULER, Emily Brooke, Knoxville, Tennessee 37902, US

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 CRAWFORD, Yongping, Redwood City, California 94065, US
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 (72) WEYMOUTH-WILSON, Alexander Charles, Shinfield RG2 9LH, GB
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 202463675512 P 2024-07-25 US
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 INHIBITORS
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 Indianapolis, Indiana 46285, US
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 (72) MOTEL, William, Boston, MA 02110, US
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 ANTAGONIST FOR CANCER THERAPY
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 KATZ, Jason, Newton, Massachusetts 02461, US
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 SEIDEL, Hans Martin, Concord, Massachusetts 01742, US

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LAI, Hung-sen, Andover, MA 01810, US

WU, Wengen, Winchester, MA 01890, US

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VIRUS LOWER RESPIRATORY TRACT INFECTION
WITH NIRSEVIMAB(72) VILLAFANA, Tonya Luana, Wilmington, Delaware
19850-5437, USLEACH, Amanda, Wilmington, Delaware 19850-5437,
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 (71) Groupe Gazechim Composites SAS, Carrer de Provença, 304, 08008 Barcelona, FR
 (72) NADAL SELLARES, Jordi, 08251 SANTPEDOR, ES

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 (54) ACTIN-BINDING LIM PROTEIN 3 (ABLIM3) IRNA AGENT COMPOSITIONS AND METHODS OF USE THEREOF
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 (71) Dilafor AB, Fogdevreten 2A, 171 65 Solna, SE
 (72) DEGLING-WIKINGSSON, Lena, 163 41 Spånga, SE
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 (72) VETTER, Thomas, 2500 Valby, DK
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 (72) MILLER, Mark Thomas, Boston, MA 02210, US
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 LAU, Jesper F., 2880 Bagsværd, DK
 JØRGENSEN, Cecilie Mia, 2880 Bagsværd, DK
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 ALLGEIER, Matthew Carl, Indianapolis, Indiana 46206-6288, US
 HANSON, Joshua M., Indianapolis, Indiana 46206-6288, US
 HUANG, Siyuan, Indianapolis, Indiana 46206-6288, US

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 CHEN, Yi-Heng, Kenilworth, New Jersey 07033, US
 DIMAURO, Erin F., Boston, Massachusetts 02115-5727, US
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 MUSACCHIO, Andrew J., Boston, Massachusetts 02115-5727, US
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 VARA, Brandon A., Boston, Massachusetts 02115-5727, US
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(72) GAJIWALA, Ketan Satish, San Diego, California 92121, US
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PATMAN, Ryan Lloyd, San Diego, California 92121, US
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(72) HECHLER, Torsten, 68526 Ladenburg, DE
KULKE, Michael, 68526 Ladenburg, DE
PAHL, Andreas, 68526 Ladenburg, DE

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CHUANG, Chihyuan, San Francisco, California 94080, US
ASHCRAFT, Luke W., San Francisco, California 94080, US
HO, Justin, San Francisco, California 94080, US
GARCIA, Alfredo, San Francisco, California 94080, US
CHANDRA, Aroop, San Francisco, California 94080, US

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SASSER, Amy, Doylestown, 18901, US
CHAULAGAIN, Chakra, Boston, 02111, US
COMENZO, Raymond, Boston, 02111, US
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DIX, Daniel, Tarrytown, 10591, US

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(72) RAUM, Tobias, 81477 Munich, DE
PENDZIALEK, Jochen, 81477 Munich, DE
BLUEMEL, Claudia, 81477 Munich, DE
BOTT, Franziska, 81477 Munich, DE
DAHLHOFF, Christoph, 81477 Munich, DE
HOFFMANN, Patrick, 81477 Munich, DE
NAHRWOLD, Elisabeth, 81477 Munich, DE
MUENZ, Markus, 81477 Munich, DE
BROZY, Johannes, 81477 Munich, DE
KUFER, Peter, 81477 Munich, DE
FRIEDRICH, Matthias, 81477 Munich, DE
RATTEL, Benno, 81477 Munich, DE
BOGNER, Pamela, 81477 Munich, DE
WOLF, Andreas, 81477 Munich, DE
POMPE, Cornelius, 81477 Munich, DE

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 REGIMENS FOR TREATMENT OF ANGIOGENIC
 EYE DISORDERS
 (72) VITTI, Robert L, New Jersey, 07675, US
 BERLINER, Alyson J, New York, 10025, US
 CHU, Karen, New York, 10605, US
 ASMUS, Friedrich, 14129 Berlin, DE
 DA SILVA LEAL, Sérgio Casimiro, 4153 Reinach, CH
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 MODULATORS AND USES THEREOF
 (72) SANDANAYAKA, Vincent P, Northboro,
 Massachusetts, 01532, US
 SHACHAM, Sharon, Newton, Massachusetts, 02459,
 US
 MCCAULEY, Dilara, Arlington, Massachusetts, 02476,
 US
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 (71) Mega Pharm Limited, 58 Hidden Spring Green NW,
 Calgary, AB T3A 5N2, CA
 (72) UWUBANMWEN, Osakpamwan, Alberta T3A5N2, CA

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 ANALYSIS AND MANAGEMENT
 (71) Rarebreed Veterinary Partners, Inc., 27 Pearl Street,
 Portland, ME 04101, US
 (72) MILLER, Sean, Patrick, Kennebunk, ME 04043, US
 PRAKASH, Biswa, Raymond, ME 04071, US
 GRIFFIN, William, Joseph, Edgewater, MD 21037, US
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 04107, US
 PROFENNO, Brent, Philip, Portland, ME 04106, US

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 (72) CHEN, Irwin, Thousand Oaks, California 91320-1799,
 US
 CHONG, Su, Thousand Oaks, California 91320-1799,
 US
 HAN, Seog Joon, Thousand Oaks, California 91320-
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ERYTHEMATOSUS
- (72) FRIEDMAN, Alan W., Chicago, IL 60064, US
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- (71) Ruck Ventilatoren GmbH, Max-Planck-Straße 5, 97944
Boxberg, DE
- (72) RUCK, Gerhard, 97944 Boxberg, DE
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- (71) Celsius Therapeutics, Inc., 1 N. Waukegan Road,
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- (72) BSAT, Marwa, West Roxbury, Massachusetts 02132,
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10520, US
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02138, US
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02155, US
WILTZIUS, Stephanie, Winchester, Massachusetts
01890, US
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02186, US

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COTTELL, Jeromy J., Foster City, 94404, US
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 (71) Güler, Muzaffer, Leuvensesteenweg 356, 3070 Kortenberg, BE
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 Demopulos, Gregory A., Seattle, 98040, US
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 (71) Italprofili S.r.l., Via Enrico Fermi, 2, 30020 Torre di Mosto (VE), IT
 (72) GOTTARDO, Marco, 30020 Torre di Mosto (VE), IT

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 (71) Eden Research PLC, 67c Innovation Drive, Milton Park Abingdon Oxfordshire OX14 4RQ, GB
 (72) ABREY, Alexander John, Abingdon, OX14 4RQ, GB
 NEWITT, Clive Roland, deceased, GB

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 (72) BOVEN, Katia, Titusville, US
 DE SMEDT, Goedele, 2340 Beerse, BE
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 HENRIST, Dominiek, 2340 Beerse, BE
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 NETTLES, Richard, Titusville, US
 OPSOMER, Magda, 2340 Beerse, BE
 PRYZ, William, Foster City, US
 ZIA, Vahid, Foster City, US

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 (72) HEID, Yves, 6045 Meggen, CH

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 102024111592 2024-04-24 DE

- (54) MOISTURE AND/OR NUTRIENT REGULATOR FOR PLANTS
 (71) BLÜCHER INKUBATOR GMBH, Mettmanner Strasse 25, 40699 Erkrath, DE
 (72) VON BLÜCHER, Hasso, 40699 Erkrath, DE

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 (72) NELSON, Cara H., Foster City, California 94404, US
 ANDERSON, Kacey B., Foster City, California 94404, US

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 (71) Etrn s.r.o., Stefanikova 136/66, 61200 Brno, CZ
 (72) GAVEL, Marian, 61200 Brno, CZ
 HALUZIK, Martin, 76005 Zlin, CZ

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 (72) GAVEL, Marian, 61200 Brno, CZ
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 (71) EXE - Engineering for Environment S.r.l., Via Monterosa, 37, 53036 Poggibonsi, IT
 (72) CORDARO, Gianni, 53036 Poggibonsi, IT

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 (54) INSERT OR MIDSOLE FOR A FOOTWEAR
 (72) GIORDANI, Roberto, 36010 ZANE' (VI), IT
 FRANCO, Giorgio, 36010 ZANE' (VI), IT

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 FENG, Jianwen A., South San Francisco, 94080, US
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 (54) TRIFLUOROMETHYL SUBSTITUTED PYRAZOLES
 AS HUMAN PLASMA KALLIKREIN INHIBITORS
 (72) KOTIAN, Pravin L., Hoover, Alabama, 35226, US
 BABU, Yarlagadda S., Birmingham, Alabama, 35244,
 US
 WU, Minwan, Vestavia Hills, Alabama, 35226, US
 CHINTAREDDY, Venkat R., Vestavia Hills, Alabama,
 35216, US
 KUMAR, Satish V., Birmingham, Alabama, 35244, US
 ZHANG, Weihe, Vestavia, Alabama, 35226, US

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A61K 39/395 2006 (97) EP 4620975
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 (31) 201762453952 P (32) 2017-02-02 (33) US
 (54) LOW PH PHARMACEUTICAL COMPOSITION
 COMPRISING T CELL ENGAGING ANTIBODY
 CONSTRUCTS
 (72) MCAULEY, Arnold, Thousand Oaks, 91320, US
 GHATTYVENKATAKRISHNA, Pavan, Thousand Oaks,
 91320, US
 ABEL, Jeff, Simi Valley, 93065, US
 HUH, Joon, Thousand Oaks, 91320, US
 POMPE, Cornelius, 81477 Munich, DE
 KANAPURAM, Sekhar, Thousand Oaks, 91320, US
 TREUHEIT, Michael, Newbury Park, 91320, US
 JAGANNATHAN, Bharadwaj, Thousand Oaks, 91320,
 US

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 (54) LOW PH PHARMACEUTICAL COMPOSITION
 COMPRISING T CELL ENGAGING ANTIBODY
 CONSTRUCTS
 (72) MCAULEY, Arnold, Thousand Oaks, 91320, US
 GHATTYVENKATAKRISHNA, Pavan, Thousand Oaks,
 91320, US
 ABEL, Jeff, Simi Valley, 93065, US
 HUH, Joon, Thousand Oaks, 91320, US

POMPE, Cornelius, 81477 Munich, DE
KANAPURAM, Sekhar, Thousand Oaks, 91320, US
TREUHEIT, Michael, Newbury Park, 91320, US
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BIDIRECTIONAL CHARGING
(71) E.ON Digital Technology GmbH, Ricklinger Stadtweg
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Orchard Road, Armonk, New York 10504, US
(72) Agliardi, Gabriele Francesco Maria, 20054 Segrade, IT
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Giorgio, Dr. Cortiana, 80639 München, DE
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O Meara, Dr. Corey, 80639 München, DE
Delgado, Victor Valls, Dublin, L D02 F6N2, IE
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Yogaraj, Kavitha Hassan, 560045 Bangalore, IN
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(54) STABILIZING CAMPTOTHECIN PHARMACEUTICAL
COMPOSITIONS
(72) DRUMMOND, Daryl, C, Lincoln, 01773, US
KIRPOTIN, Dmitri, B, Revere, 02151, US
HAYES, Mark, Eamon, Mill Valley, 94941, US
NOBLE, Charles, San Francisco, 94158, US
KESPER, Kevin, Watertown, 02472, US
AWAD, Antoine, M., West Roxbury, 02132, US
MOORE, Douglas, J., Newton, 02465, US
O'BRIEN, Andrew, J., Franklin, 02038, US

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202063024432 P 2020-05-13 US
202062704785 P 2020-05-28 US
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(54) PYRUVATE KINASE R (PKR) ACTIVATING
COMPOSITIONS
(72) LUKE, George P., Lexington, MA02421, US
RODRIGUEZ RODRIGUEZ, Sonia, Lexington,
MA02421, US
ZHANG, Hongwei, North Brunswick, NJ 08902, US
KUANG, Shanming, North Brunswick, NJ 08902, US
XU, Yuwen, North Brunswick, NJ 08902, US

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(54) STRATIFICATION METHODS FOR ASSESSING THE
PROGRESSION AND RISK OF ADVANCED
ADENOMA AND COLORECTAL CANCER
(71) SENTINEL CH. S.p.A., Via Robert Koch 2, 20152
Milano, IT
(72) EIDENS, Moritz, 55129 Mainz, DE
KRAMMES, Lena, 55129 Mainz, DE
VON TÖRNE, Christian, 55129 Mainz, DE

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(31) 202341067839 (32) 2023-10-10 (33) IN
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(54) SUBSTITUTED TRICYCLIC COMPOUNDS AS KRAS
DEGRADERS
(72) CHIKKANNA, Dinesh, Bangalore 560083, IN

AELURI, Madhu, Bangalore 560100, IN
 MUKHERJEE, Subhendu, Bangalore 560100, IN
 TATYASANEH GORE, Suraj, State: Maharashtra
 Ahmednagar 413720, IN
 ABBINENI, Chandrasekhar, Hyderabad, 500032, IN
 MAKKIKOPPA VITTALARAO, Ravindra,
 Chickmagalur 577123, IN
 BASAK, Debajyoti, Bankura, West Bengal Kenduadihi
 722102, IN
 SAMAJDAR, Susanta, Bangalore 560078, IN
 SIMONOVICH, Scott, Alameda, California 94502, US
 GREEN, Evan, Alameda, California 94502, US
 MURRAY, Jeremy, Alameda, California 94502, US
 MISHRA, Nigam, Alameda, California 94502, US
 CHEN, Jun, Alameda, California 94502, US
 RAIKAR, Sandeep, Alameda, California 94502, US
 SHERER, Brian, Radnor, Pennsylvania 19087, US
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 FERREIRA, Andrew, Alameda, California 94502, US
 MAUNG, Jack, Alameda, California, US
 COLE, David, Alameda, California 94502, US
 KHRAKOVSKY, Dimitri, Alameda, California 94502,
 US
 BUI, Minna, Alameda, California 94502, US

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A61K 39/395 2006 (97) EP 4808599
C07K 16/28 2006
 (96) EP 24817800.6 11/14/2024
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 (31) 202363599367 P (32) 2023-11-15 (33) US
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 (54) COMBINATION OF PD-1 INHIBITORS AND LAG-3
 INHIBITORS FOR ENHANCED EFFICACY IN
 TREATING LUNG CANCER
 (72) FURY, Matthew, Tarrytown, New York 10591-6707, US
 SALVATI, Mark, Tarrytown, New York 10591-6707, US
 RIETSCHER, Petra, Tarrytown, New York 10591-6707,
 US

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A61K 31/5025 2006 (97) EP 4812467
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 (54) SOLID FREEBASE FORMS OF 5-CHLORO-2-(4-((2-
 HYDROXY-2- METHYLPROPYL)AMINO)PYRIDO[3,4-
 D]PYRIDAZIN-1-YL)PHENOL FOR INHIBITING
 NLRP3 AND USES THEREOF
 (72) MURPHY, Luke J., Dartmouth, Nova Scotia B2W 1P5,
 CA

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 (31) 202363599664 P (32) 2023-11-16 (33) US
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 (54) URACIL COMPOUNDS
 (72) BRÄNALT, Leif Jonas Mikael, 151 85 Södertälje, SE
 INGARDT, Tord Bertil, 151 85 Södertälje, SE
 MILJKOVI, Filip, 151 85 Södertälje, SE
 FOSTER, Robert William, Cambridge, Cambridgeshire
 CB2 0AA, GB

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A61K 39/00 2006 (97) EP 4808590
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 (96) EP 24820499.2 11/14/2024
 (97) EP 4808590, 9/23/2026 202639, en
 (31) 202363599885 P (32) 2023-11-16 (33) US
 (54) PEPTIDE CONJUGATE VACCINE COMPOSITIONS
 AND METHODS FOR THE TREATMENT OF
 ALZHEIMER'S DISEASE
 (72) HSU, Yen-Pang, Rahway, New Jersey 07065, US
 INGALE, Sampat L., Lexington, Massachusetts 02421,
 US
 RAHEEM, Izzat T., Rahway, New Jersey 07065, US
 SCHUBERT, Jeffrey William, Rahway, New Jersey
 07065, US
 STAUPE, Ryan P., Rahway, New Jersey 07065, US
 WU, Chengwei, Rahway, New Jersey 07065, US

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 (96) EP 24820913.2 11/21/2024
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 (31) 202363602277 P (32) 2023-11-22 (33) US
 (54) ANTI-CD7 ANTIBODY-DRUG CONJUGATES AND
 METHODS OF USE THEREOF
 (72) CHEN, Zhuoliang, Cambridge, MA 02139, US
 D'ALESSIO, Joseph Anthony, Cambridge, MA 02139,
 US
 MCNEILL, Eric Andrew, Cambridge, Massachusetts
 02139, US
 NAKAJIMA, Katsumasa, Cambridge, Massachusetts
 02139, US
 NEWCOMBE, Richard Vaughan, Cambridge,
 Massachusetts 02139, US
 YU, Bing, Belmont, Massachusetts 02478, US
 ZHANG, Qiang, Cambridge, Massachusetts 02139,
 US
 HOLLINGWORTH, Gregory, John, 4002 Basel, CH
 LANGLOIS, Jean-Baptiste Georges Armand, 4002
 Basel, CH

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 BRESSON, Laura, 91190 Gif-Sur-Yvette, FR
 BRAIZAT, Gaëtane, 91190 Gif-Sur-Yvette, FR
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 (31) 202321078834 (32) 2023-11-21 (33) IN
 (54) NASAL SPRAY COMPOSITION
 (71) Glenmark Specialty S.A., Place du Port 2, 2000 Neuchâtel, CH
 (72) DHUPPAD, Ulhas, Raigad Maharashtra Navi Mumbai 410208, IN
 KATKURWAR, Ashok, Malegaon (Sinnar) Maharashtra Nashik 422113, IN
 ANKAM, Rajesh, Malegaon (Sinnar) Maharashtra Nashik 422113, IN
 SHARMA, Pravinkumar, Malegaon (Sinnar) Maharashtra Nashik 422113, IN

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A61P 35/00 2006
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C07D 471/10 2006
 (96) EP 24821214.4 11/15/2024
 (97) EP 4808928, 9/23/2026 202639, en
 (31) 202363600190 P (32) 2023-11-17 (33) US
 (54) DEGRADER MOLECULES TARGETING ANDROGEN RECEPTOR
 (72) GRAHAM, Thomas H., Cambridge, Massachusetts 02142, US
 WILSON, Jonathan E., Cambridge, Massachusetts 02142, US
 WILCKEN, Rainer, Cambridge, Massachusetts 02142, US

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A61K 31/5025 2006 (97) EP 4805356
A61P 25/00 2006
C07D 487/04 2006

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 (97) EP 4805356, 9/16/2026 202638, en
 (31) 202341076908 (32) 2023-11-10 (33) IN
 (54) PIPERIDINE SUBSTITUTED COMPOUNDS AS MUSCARINIC M4 RECEPTOR POSITIVE ALLOSTERIC MODULATORS (M4 PAMS)
 (72) NIROGI, Ramakrishna, Hyderabad, Telangana 500034, IN
 SHINDE, Anil Karbhari, Hyderabad, Telangana 500034, IN
 MOHAMMED, Abdul Rasheed, Hyderabad, Telangana 500034, IN
 BOJJA, Kumar, Hyderabad, Telangana 500034, IN
 SHAIKH, Aamer, Hyderabad, Telangana 500034, IN
 JAYARAJAN, Pradeep, Hyderabad, Telangana 500034, IN
 BENADE, Vijay Sidram, Hyderabad, Telangana 500034, IN
 JASTI, Venkateswarlu, Hyderabad, Telangana 500034, IN

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A61K 40/31 2025 (97) EP 4812957
C12N 5/0783 2010
G16H 20/10 2018
 (96) EP 24821559.2 11/22/2024
 (97) EP 4812957, 9/30/2026 202640, en
 (31) 202363602289 P (32) 2023-11-22 (33) US
 202363602356 P 2023-11-22 US
 202363602359 P 2023-11-22 US
 202363606827 P 2023-12-06 US
 202363606880 P 2023-12-06 US
 (54) AI MODELS, SYSTEMS, AND METHODS FOR PREDICTING REMANUFACTURING FAILURES IN CAR T DRUG PRODUCTS
 (72) MAGGE RANGANATHA, Arjun, Raritan, New Jersey 08869, US
 JAVIDI, Alex, Raritan, New Jersey 08869, US
 LU, Hoang, Raritan, New Jersey 08869, US
 HENCKELS, Eric, Raritan, New Jersey 08869, US
 CICCONE, Daniel, Raritan, New Jersey 08869, US
 MORRIS, Donald, Raritan, New Jersey 08869, US
 BOWDEN, Robert, Raritan, New Jersey 08869, US

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A61K 40/31 2025 (97) EP 4812958
C12N 5/0783 2010
G16H 20/10 2018
 (96) EP 24821560.0 11/22/2024
 (97) EP 4812958, 9/30/2026 202640, en
 (31) 202363602289 P (32) 2023-11-22 (33) US
 202363602356 P 2023-11-22 US
 202363602359 P 2023-11-22 US
 202363606827 P 2023-12-06 US
 202363606880 P 2023-12-06 US
 (54) AI MODELS, SYSTEMS, AND METHODS FOR REDUCING GROWTH TERMINATIONS IN CAR T CELLS

(72) MAGGE RANGANATHA, Arjun, Raritan, New Jersey 08869, US
 JAVIDI, Alex, Raritan, New Jersey 08869, US
 LU, Hoang, Raritan, New Jersey 08869, US
 HENCKELS, Eric, Raritan, New Jersey 08869, US
 CICCONE, Daniel, Raritan, New Jersey 08869, US
 MORRIS, Donald, Raritan, New Jersey 08869, US
 BOWDEN, Robert, Raritan, New Jersey 08869, US

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A61K 40/31 2025 (97) EP 4812959
G16H 20/10 2018
 (96) EP 24821562.6 11/22/2024
 (97) EP 4812959, 9/30/2026 202640, en
 (31) 202363602289 P (32) 2023-11-22 (33) US
 202363602356 P 2023-11-22 US
 202363602359 P 2023-11-22 US
 202363606827 P 2023-12-06 US
 202363606880 P 2023-12-06 US
 (54) MANUFACTURING SYSTEMS, METHODS, AND AI MODELS FOR OPTIMIZING CAR T DRUG PRODUCTS
 (72) MAGGE RANGANATHA, Arjun, Raritan, New Jersey 08869, US
 JAVIDI, Alex, Raritan, New Jersey 08869, US
 LU, Hoang, Raritan, New Jersey 08869, US
 HENCKELS, Eric, Raritan, New Jersey 08869, US
 YANG, Katherine, Raritan, New Jersey 08869, US
 BERK, Erik, Raritan, New Jersey 08869, US
 SHEN, Dee, Raritan, New Jersey 08869, US
 SZTANKA-TOTH, Tamas, 41470 Neuss, DE

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A61K 40/31 2025 (97) EP 4812960
C12N 5/0783 2010
G16H 20/10 2018
 (96) EP 24821563.4 11/22/2024
 (97) EP 4812960, 9/30/2026 202640, en
 (31) 202363602289 P (32) 2023-11-22 (33) US
 202363602356 P 2023-11-22 US
 202363602359 P 2023-11-22 US
 202363606827 P 2023-12-06 US
 202363606880 P 2023-12-06 US
 (54) AI MODELS, SYSTEMS, AND METHODS FOR MANUFACTURING CAR T DRUG PRODUCTS WITH IMPROVED DOSE
 (72) MAGGE RANGANATHA, Arjun, Raritan, New Jersey 08869, US
 JAVIDI, Alex, Raritan, New Jersey 08869, US
 LU, Hoang, Raritan, New Jersey 08869, US
 HENCKELS, Eric, Raritan, New Jersey 08869, US
 CICCONE, Daniel, Raritan, New Jersey 08869, US
 MORRIS, Donald, Raritan, New Jersey 08869, US
 BOWDEN, Robert, Raritan, New Jersey 08869, US

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A61K 40/31 2025 (97) EP 4812961

C12N 5/0783 2010
G16H 20/10 2018
 (96) EP 24821564.2 11/22/2024
 (97) EP 4812961, 9/30/2026 202640, en
 (31) 202363602289 P (32) 2023-11-22 (33) US
 202363602356 P 2023-11-22 US
 202363602359 P 2023-11-22 US
 202363606827 P 2023-12-06 US
 202363606880 P 2023-12-06 US
 (54) AI MODELS, SYSTEMS, AND METHODS FOR MANUFACTURING CAR T DRUG PRODUCTS WITH IMPROVED VIABILITY
 (72) MAGGE RANGANATHA, Arjun, Raritan, New Jersey 08869, US
 JAVIDI, Alex, Raritan, New Jersey 08869, US
 LU, Hoang, Raritan, New Jersey 08869, US
 HENCKELS, Eric, Raritan, New Jersey 08869, US
 YANG, Katherine, Raritan, New Jersey 08869, US
 BERK, Erik, Raritan, 08869, US
 SHEN, Dee, Raritan, New Jersey 08869, US
 SZTANKA-TOTH, Tamas, 41470 Neus, DE
 CICCONE, Daniel, Raritan, New Jersey 08869, US
 MORRIS, Donald, Raritan, New Jersey 08869, US
 BOWDEN, Robert, Raritan, New Jersey 08869, US

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A61K 40/31 2025 (97) EP 4812962
C12N 5/0783 2010
G16H 20/10 2018
 (96) EP 24821565.9 11/22/2024
 (97) EP 4812962, 9/30/2026 202640, en
 (31) 202363602289 P (32) 2023-11-22 (33) US
 202363602356 P 2023-11-22 US
 202363602359 P 2023-11-22 US
 202363606827 P 2023-12-06 US
 202363606880 P 2023-12-06 US
 (54) MANUFACTURING SYSTEMS, METHODS, AND AI MODELS FOR CAR T DRUG PRODUCTS WITH IMPROVED SAFETY
 (72) MAGGE RANGANATHA, Arjun, Raritan, New Jersey 08869, US
 JAVIDI, Alex, Raritan, New Jersey 08869, US
 LU, Hoang, Raritan, New Jersey 08869, US
 HENCKELS, Eric, Raritan, New Jersey 08869, US
 CICCONE, Daniel, Raritan, New Jersey 08869, US
 MORRIS, Donald, Raritan, New Jersey 08869, US
 BOWDEN, Robert, Raritan, New Jersey 08869, US

(51) MKP
A61K 40/31 2025 (97) EP 4812963
C12N 5/0783 2010
G16H 20/10 2018
 (96) EP 24821566.7 11/22/2024
 (97) EP 4812963, 9/30/2026 202640, en
 (31) 202363602289 P (32) 2023-11-22 (33) US
 202363602356 P 2023-11-22 US
 202363602359 P 2023-11-22 US
 202363606827 P 2023-12-06 US

202363606880 P 2023-12-06 US

(54) IMPROVED MANUFACTURING OF CAR T DRUG PRODUCTS BASED ON CAR

(72) MAGGE RANGANATHA, Arjun, Raritan, New Jersey 08869, US

JAVIDI, Alex, Raritan, New Jersey 08869, US

LU, Hoang, Raritan, New Jersey 08869, US

HENCKELS, Eric, Raritan, New Jersey 08869, US

CICCONI, Daniel, Raritan, New Jersey 08869, US

MORRIS, Donald, Raritan, New Jersey 08869, US

BOWDEN, Robert, Raritan, New Jersey 08869, US

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A61K 40/31 2025 (97) EP 4812964

C12N 5/0783 2010

G16H 20/10 2018

(96) EP 24821567.5 11/22/2024

(97) EP 4812964, 9/30/2026 202640, en

(31) 202363602289 P (32) 2023-11-22 (33) US

202363602356 P 2023-11-22 US

202363602359 P 2023-11-22 US

202363606827 P 2023-12-06 US

202363606880 P 2023-12-06 US

(54) MANUFACTURING SYSTEMS, METHODS, AND AI MODELS FOR REDUCING OUT OF SPECIFICATION (OOS) CAR T DRUG PRODUCTS

(72) MAGGE RANGANATHA, Arjun, Raritan, New Jersey 08869, US

JAVIDI, Alex, Raritan, New Jersey 08869, US

LU, Hoang, Raritan, New Jersey 08869, US

HENCKELS, Eric, Raritan, New Jersey 08869, US

CICCONI, Daniel, Raritan, New Jersey 08869, US

MORRIS, Donald, Raritan, New Jersey 08869, US

BOWDEN, Robert, Raritan, New Jersey 08869, US

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A61K 40/31 2025 (97) EP 4812965

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 19477, US
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 US
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 US
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 US
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 (72) BURTEA, Alexander, San Diego, California 92121, US
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 US
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 SCALES, Stephanie Anne, San Diego, California
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 LEAMON, Christopher P., West Lafayette, 47906, US
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 Csetrichis, Anastasios, Drosia, 83100 Samos (Samos), GR
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 MINIE, Christopher Sears, Indianapolis, Indiana 46206-6288, US

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 HATSELL, Sarah J., Tarrytown, New York 10591, US
 LOB, Heinrich Emil, Tarrytown, New York 10591, US
 MURPHY, Andrew J., Tarrytown, New York 10591, US
 OLSON, William, Tarrytown, New York 10591, US
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 MORTENSEN, Asmus, Ringlebjerg, 2880 Bagsværd, DK

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 NASTRI, Horacio G., Wilmington, Delaware 19803, US
 BUONPANE, Rebecca A., Wilmington, Delaware 19803, US
 REIS, Edimara S., Wilmington, Delaware 19803, US
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 ZHOU, Jing, Wilmington, Delaware 19803, US
 DELLER, Marc C., Wilmington, Delaware 19803, US
 LEI, Hsiang-Ting, Wilmington, Delaware 19803, US
 MCQUIRTER, Leslie Brooke Epling, Wilmington, Delaware 19803, US
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 WASS, Brittney Melissa, Wilmington, Delaware 19803, US

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MORATO GUIMARAES, Claudia, Indianapolis, Indiana 46206-6288, US

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- (72) SPERANDIO, David, Redwood city, California 94063, US
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 (72) OHKUBO, Kei, Suita-shi, Osaka 565-0871, JP
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 (54) CO-CRYSTALS
 (71) CereSpir Incorporated, 41 Madison Avenue, 31st
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 MOSCONI, Manuel, 20900 Monza, IT
 ZANARDI, Andrea, 20900 Monza, IT

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 HUSTON, James, S., Watertown, 02472, US
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 GALIEN, René, Alexandre, 93230 Romainville, FR
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 ARCHBELL, James, South San Francisco, CA 94080, US
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 LAMPA, Charina, South San Francisco, CA 94080, US
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HARRIS, Jeffrey Mark, San Francisco, California 94080, US
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 LIN, Qiyang, Wilmington, Delaware 19803, US
 LIU, Pingli, Wilmington, Delaware 19803, US
 MARTIN, Timothy, Wilmington, Delaware 19803, US
 SOLTANZADEH, Bardia, Wilmington, Delaware 19803, US
 SU, Naijing, Wilmington, Delaware 19803, US
 TASSONE, Joseph, Wilmington, Delaware 19803, US
 XIA, Michael, Wilmington, Delaware 19803, US
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KIM, Sunkyu, Wilmington, Delaware 19803, US
ROMAN, Valerie, Wilmington, Delaware 19803, US
SMITH, Amanda, Wilmington, Delaware 19803, US
WALLOWER, Renee, Wilmington, Delaware 19803, US
WANG, Hui, Wilmington, Delaware 19803, US
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SHETH, Trupti, Wilmington, Delaware 19803, US
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 PINDER, Joanne Louise, Boston, MA 02210, US
 KNEGTEL, Ronald Marcellus, Boston, MA 02210, US
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 NEUBERT, Timothy Donald, Boston, MA 02210, US
 HURLEY, Dennis James, Boston, MA 02210, US
 SCHARF, Adam, Boston, MA 02210, US
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 HADIDA RUAH, Sara Sabina, Boston, MA 02210, US
 ZHOU, Jinglan, Boston, MA 02210, US
 GHIRMAI, Senait G., Boston, MA 02210, US
 VALIULIN, Roman Askatovich, Boston, MA 02210, US
 WEBB, Peter, Boston, MA 02210, US
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 STORCK, Pierre-Henri, Boston, MA 02210, US

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PACKMAN, Kathryn Elizabeth, Raritan, New Jersey 08869, US
COST, Carrye Rudolph, Raritan, New Jersey 08869, US
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D'SOUZA, Amber Marie, Raritan, New Jersey 08869, US
GUTTKE, Christina Diane, Raritan, New Jersey 08869, US
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VAN ROMPAEY, Elsa, 2340 Beerse, BE
VAN STEENWINCKEL, Marianne Maria G, 2340 Beerse, BE
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BUNCHONGPRASERT, Kanyaphat, Orange, New
Jersey 07052, US
BHATTARAI, Prashant, Attleboro, Massachusetts
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02138, US
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Massachusetts 02138, US
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92121, US
ETXANIZ IRIGOIEN, Usue, San Diego, California

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 92121, US
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 US
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 LANE, Thomas, R., Durham, NC 27703, US
 MAKAROV, Vadim, Moscow, 115035, RU
 EKLINS, Sean, Fuquay Varina, NC 27526, US

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 MAHJOUR, Majid, Schwenksville, Pennsylvania
 19473, US
 KLINZING, Gerard R., Rahway, New Jersey 07065,
 US
 PATEL, Sanjaykumar, Rahway, New Jersey 07065, US
 BUSS, Andrew, Rahway, New Jersey 07065, US

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 VELEZ, Benjamin, Boston, Massachusetts 02115, US
 SCHNELL, Helena, 76149 Karlsruhe, DE
 HUBBARD, Robert D., Boston, Massachusetts 02114,
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 WALSH, Richard, Boston, Massachusetts 02116, US
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 JENQUIN, Jana, San Diego, CA 92121, US
 MARSH, Edward, San Diego, CA 92121, US
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 (72) DIMITROV, Dimiter S., Pittsburgh, Pennsylvania
 15220, US

AGHA, M. Mounzer E., Pittsburgh, Pennsylvania
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Town, Tortola VG1110, VG
- (72) BUNIN, Anna, New Haven, Connecticut 06510, US
CAR, Bruce, New Haven, Connecticut 06510, US
DOW, Megan, New Haven, Connecticut 06510, US
GARDIN, Tova, New Haven, Connecticut 06510, US
LIPSON, Sarah, New Haven, Connecticut 06510, US
MARCIN, Lawrence R., New Haven, Connecticut
06510, US
MELLOTT, Drake, New Haven, Connecticut 06510, US
MURRAY, Stewart, New Haven, Connecticut 06510,
US
PIRMAN, David, New Haven, Connecticut 06510, US
VELAPARTHI, Upender, New Haven, Connecticut
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MILLER, Kelly, Ann, Cambridge, MA 02142, US
PARSONNET, Nicholas, Victor, Cambridge, MA 02142,
US
HAMM, Luke, S., Cambridge, MA 02142, US
PENVOSE, Ashley, Renne, Cambridge, MA 02142, US
SAMAYOA, Phillip, Cambridge, MA 02142, US
STANTON, Matthew, G., Cambridge, MA 02142, US
CIPPI, Joris, Artan, Cambridge, MA 02142, US
HANOVIC, Nicholas, Jay, Cambridge, MA 02142, US
SLUBOWSKI, Christian, J., Cambridge, MA 02142, US

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- (71) Purdue Research Foundation, 101 Foundry Drive,
Suite 2500, West Lafayette, IN 47906, US
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- (72) NIEDRAUER, Mary Lynn, Lafayette, Indiana 47906,
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 LANDRY, Ishani, Savant, Bernardsville, NJ 07924, US
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 CHEN, Jun, Waltham, MA 02452, US
 HUKKANEN, Eric J., Andover, MA 01810, US
 KHITERER, Mariya, Melrose, MA 02176, US
 HOGAN, Philip C., Allston, MA 02134, US
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 (71) PureTech LYT, Inc., 6 Tide Street Suite 400, Boston MA 02210, US
 (72) FILIPOVIC, Aleksandra, Boston, Massachusetts 02210, US
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 (72) JAYASINGHE, Nirupama Samanmalie, Mitchell, New South Wales 2911, AU
 SINGH, Surinder, Mitchell, New South Wales 2911, AU
 LACROIX, Isabelle, Mitchell, New South Wales 2911, AU
 NGUYEN, Hanh, Mitchell, New South Wales 2911, AU
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 PETRIE, James, Mitchell, New South Wales 2911, AU

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 (54) PAN-KRAS INHIBITOR AND USE THEREOF IN MEDICINES
 (71) Betta Pharmaceuticals Co., Ltd., 355, Xingzhong Rd. Linping, Hangzhou, Zhejiang 311100, CN
 (72) WU, Wenmao, Hangzhou, Zhejiang 311100, CN
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SHARPE, Arlene, H., Cambridge, MA 02138, US
MILLING, Lauren, E., Cambridge, MA 02138, US
DEROSIA, Nicole, M., Cambridge, MA 02138, US
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SCHUETZLE, Dennis, Grass Valley, CA 95949, US
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CARUANA, Andrew, Burlington, Ontario L7N 1K3, CA
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(72) FRANCOIS, Cedric, Prospect, Kentucky 40059, US
DESCHATELETS, Pascal, Waltham, Massachusetts 02451, US
GROSSI, Federico, Needham, Massachusetts 02492, US

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ENYA, Sora, Kawasaki-shi, Kanagawa, 210--0821, JP
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 MORIMOTO, Kouki, Kawasaki-shi, Kanagawa, 210--
 0821, JP
 NAKANO, Shunichi, Kawasaki-shi, Kanagawa, 210--
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 NAGASAWA, Takayuki, Kawasaki-shi, Kanagawa,
 210--0821, JP
 OHUCHI, Masaki, Kawasaki-shi, Kanagawa, 210--
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 YANAGIDA, Hayato, Kawasaki-shi, Kanagawa, 210--
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 BOSZE, Eric, Irvine, California 92614, US
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 PINDER, Joanne, Louise, Boston, MA 02210, US
 KNEGTEL, Ronald, Marcellus, Boston, MA 02210, US
 MUI, James, Jun, Bon, Boston, MA 02210, US
 BECK, Elizabeth, Mary, Boston, MA 02210, US
 CHUDYK, Ewa, Iwona, Boston, MA 02210, US
 SIMPSON, Iain, Boston, MA 02210, US
 SLOCHOWER, David, Robert, Boston, MA 02210, US
 NEUBERT, Timothy, Donald, Boston, MA 02210, US
 HURLEY, Dennis, James, Boston, MA 02210, US
 SCHARF, Adam, Boston, MA 02210, US
 PATEL, Urvi, Boston, MA 02210, US
 HADIDA RUAAH, Sara, Sabina, Boston, MA 02210, US
 ZHOU, Jinglan, Boston, MA 02210, US
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 VALIULIN, Roman, Askatovich, Boston, MA 02210, US
 WEBB, Peter, Boston, MA 02210, US
 AERTGEERTS, Kathleen, Boston, MA 02210, US
 KINTZER, Alexander, Frederick, Boston, MA 02210,
 US
 CLEVELAND, Thomas, Boston, MA 02210, US
 CHAU, Jaclyn, Boston, MA 02210, US
 McCARTNEY, Jason, Boston, MA 02210, US
 JACQUES, Reece, Boston, MA 02210, US
 KEILLY, Shazia, Boston, MA 02210, US
 SALMAN, Alan, Alessandro, Boston, MA 02210, US
 AUSTIN, James, Robert, Boston, MA 02210, US
 SOUSA, Bruno, Artur, Boston, MA 02210, US
 PULLIN, Robert, David, Charles, Boston, MA 02210,
 US
 VOGEL, Carl, Victor, Boston, MA 02210, US
 DODD, James, Boston, MA 02210, US
 STORCK, Pierre-Henri, Boston, MA 02210, US

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 WILDE, Nathan C., Boston, MA 02210, US

LU, Jennifer, Boston, MA 02210, US
 O'NEIL, Simon Adam, Boston, MA 02210, US
 MEDEK, Ales, Boston, MA 02210, US
 CHEN, Jiahui, Boston, MA 02210, US
 GAGNON, Kevin James, Boston, MA 02210, US
 ROEPER, Stefanie, Boston, MA 02210, US
 STEPHENS, David E., Boston, MA 02210, US
 TSAY, Charlene, Boston, MA 02210, US

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 48, 6041 Charleroi, BE
 (72) VANHOLLEBEKE, Benoit, 6041 Charleroi, BE
 NICOLAS, Emilien, 6041 Charleroi, BE
 VANHOVE, Marc, 6041 Charleroi, BE

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 INHIBITORS
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 ELENKOV, Ivaylo Jivkov, 43122 Parma, IT
 MESI, Milan, 43122 Parma, IT
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 CUZZOLIN, Alberto, 43122 Parma, IT
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 MESI, Milan, 43122 Parma, IT
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 TREATING PAIN AND SOLID FORMS THEREOF
 (72) PERESYPKIN, Andrey, Boston, MA 02210, US
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 GAGNON, Kevin, James, Boston, MA 02210, US
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 MAULDIN, Dustin, Lee, Boston, MA 02210, US
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 TSAY, Charlene, Boston, MA 02210, US
 BLIGH, Cavan, McKeon, Boston, MA 02210, US
 WARZECHA, Monika, Boston, MA 02210, US

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 KINASE INHIBITORS, SUCH AS PONATINIB, FOR
 USE IN THE TREATMENT OF CANCER OR
 PULMONARY DISEASES, SUCH AS COPD, CYSTIC
 FIBROSIS, PULMONARY FIBROSIS AND COVID-19
 (71) University of Houston System, 4800 Calhoun Road,
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 Tract Pharmaceuticals, Inc., 29 South Main Street
 Suite 305, West Hartford, CT 06107, US
 (72) XIAN, Wa, Sugar Land, Texas 77479, US
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 US
 RUSSELL, Richard E., Hartford, Connecticut 06107,
 US

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 (72) LIBERMAN-ISAKOV, Noa, Cambridge, Massachusetts 02142, US
 OLIVER, Ryan, Cambridge, Massachusetts 02142, US
 MCINTOSH, Craig, Murdoch, 6150, AU
 WILTON, Stephen Donald, Murdoch, 6150, AU
 AUNG-HTUT, May Thandar, Western Australia WA 6155, AU

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 HUYNH, Hoan, Waltham, MA 02453, US
 AQUILA, Brian M., Marlborough, MA 01752, US
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 LEHMANN, Jonathan Ward, Burlington, MA 01803, US
 WOODS, James R., Waltham, MA 02453, US

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 (72) NIROGI, Ramakrishna, Hyderabad Telangana 500034, IN
 SHINDE, Anil Karbhari, Hyderabad Telangana 500034, IN
 MOHAMMED, Abdul Rasheed, Hyderabad Telangana 500034, IN
 BADANGE, Rajesh Kumar, Hyderabad Telangana 500034, IN
 MANCHINEELLA, Sravanthi, Hyderabad Telangana 500034, IN
 TIRUMALA, Narasimhula, Hyderabad Telangana 500034, IN
 PALACHARLA, Raghava Chowdary, Hyderabad Telangana 500034, IN
 SUBRAMANIAN, Ramkumar, Hyderabad Telangana 500034, IN
 JASTI, Venkateswarlu, Hyderabad Telangana 500034, IN

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 BOYALL, Dean, Boston, Massachusetts 02210, US
 CHUDYK, Ewa Iwona, Boston, Massachusetts 02210, US
 DENEKA, Dawid, Boston, Massachusetts 02210, US
 DODD, James, Boston, Massachusetts 02210, US
 EVERITT, Simon Robert, Boston, Massachusetts 02210, US
 FAUST, Belinda Rafaella, Boston, Massachusetts 02210, US
 FRAYSSE, Damien Jacques Michel, Boston, Massachusetts 02210, US
 GLADDING, Jeffery Allen, Boston, Massachusetts 02210, US
 HEPBURN, Hamish Bruce, Boston, Massachusetts 02210, US
 KEILY, Shazia, Boston, Massachusetts 02210, US
 KNEGTEL, Ronald Marcellus, Boston, Massachusetts 02210, US
 MAXWELL, Brad D., Boston, Massachusetts 02210, US
 MUI, James Jun Bon, Boston, Massachusetts 02210, US
 NASRALLAH, Chady, Boston, Massachusetts 02210, US
 PINDER, Joanne Louise, Boston, Massachusetts 02210, US
 RUTHERFORD, Alistair Peter, Boston, Massachusetts 02210, US
 SALMAN, Alan Alessandro, Boston, Massachusetts 02210, US
 WRIGHT, Miranda, Boston, Massachusetts 02210, US

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 (72) TANG, Xiaolin, Tarrytown, New York 10591, US
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 KLEPPE, Mary, Tarrytown, New York 10591, US

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METHODS OF USE
- (72) CHAN, Andrew, Durham, North Carolina 27703, US
NETHERY, Matthew, Raleigh, North Carolina 27614,
US
KOMMIREDY, Vasu, Morrisville, North Carolina
27560, US
MONCALVO, Malik Eliot, Hillsborough, North Carolina
27278, US
CHONG, Shaorong, Chapel Hill, North Carolina
27516, US
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- (72) KOBOS, Rachel, Bridgewater, New Jersey 08807, US
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19477, US
GOLDBERG, Jenna, South Raritan, New Jersey
08869, US
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SODIUM CHANNEL INHIBITORS
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04947, US
CLARK, Michael Philip, Concord, Massachusetts
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US
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CA
LOFSTRAND, Verner Alexander, Burnaby, British
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COMPOSITIONS COMPRISING SAID ANTIBODY
AND METHODS FOR TREATING OR PREVENTING
TRANSTHYRETIN-MEDIATED AMYLOIDOSIS
- (72) MICHALON, Aubin, 5400 Baden, CH
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NIELSEN, Jens Christian, 2970 Hørsholm, DK
BAUMANN, Lars, 42096 Wuppertal; Germany, DE
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 TARANTINO, Germano, 56122 Pisa (PI), IT
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 BOYKO, Yaroslav, Rahway, New Jersey 07065, US
 CHEN, Yi-Heng, Rahway, New Jersey 07065, US
 DIMAURO, Erin F., Rahway, New Jersey 07065, US
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 (72) SALTARELLI, Gianluca, IT

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 (72) REN, Pingda, San Diego, California 92121, US
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 CHEN, Zhiyong, San Diego, California 92121, US
 HE, Xiaohui, San Diego, California 92121, US
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KHOSHNEJAD, Makan, Gladwyne, PA 19035, US
ZHANG, Yan, Poway, CA 92064, US
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SIEVERS, Stuart, Aaron, Van Nuys, CA 91406, US
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- (71) Undaunted Bio, Inc., 1401 Forbes Avenue, Suite 337, Pittsburgh, Pennsylvania 15219, US
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COLLINS, Mark Anthony David, Pittsburgh, Pennsylvania 15241, US
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- (72) LAUS, Gianluca, 3584 CT Utrecht, NL
JOE, Andrew Kim, 3584 CT Utrecht, NL
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ALEXANDER, Matthew D., San Diego, California 92121, US
HUANG, Fei, San Diego, California 92121, US
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(54)	COMBINATION REGIMENS FOR TREATING MULTIPLE MYELOMA		
(72)	KANE, Colleen M., Spring House, Pennsylvania 19477, US SMIT, Marie-Anne Damiette, 2333 Leiden, NL HILDER, Brandi, Spring House, Pennsylvania 19477, US TOLBERT, Jasziannie, Spring House, Pennsylvania 19477, US		

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(54)	TETRAHYDROISOQUINOLINE HETEROBIFUNCTIONAL BCL-XL DEGRADERS		
(72)	HORN, Evan J., San Diego, California 92121, US HANSEN, Joshua D., San Diego, California 92121, US ALEXANDER, Matthew D., San Diego, California 92121, US HUANG, Fei, San Diego, California 92121, US NAGY, Mark A., San Diego, California 92121, US ZAHARA, Adam Jamil, San Diego, California 92121, US		

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(54)	TETRAHYDROISOQUINOLINE HETEROBIFUNCTIONAL BCL-XL DEGRADERS		
(72)	HORN, Evan J., San Diego, California 92121, US HANSEN, Joshua D., San Diego, California 92121, US ALEXANDER, Matthew D., San Diego, California 92121, US HUANG, Fei, San Diego, California 92121, US NAGY, Mark A., San Diego, California 92121, US ZAHARA, Adam Jamil, San Diego, California 92121, US		

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(72)	BELISLE, Christopher L., Washington, DC 20004, US CHRISTENSEN, Steven, Washington, DC 20004, US DE GROMOBOY DABROWICKI, Joshua A., Cambridge CB4 0DW, GB D'SOUZA, Megan, Cambridge CB4 0DW, GB KNOX, Catherine Ann, Cambridge CB4 0DW, GB LEON DUQUE, Esteban, Washington, DC 20004, US STYLIANOU, Demetris, Cambridge CB4 0DW, GB		

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(72)	MULEPATI, Sabin, Cambridge, Massachusetts 02139, US DOMBROWSKI, Christian, Cambridge, Massachusetts 02139, US BONANNO, Jasmine Josephine, Cambridge, Massachusetts 02139, US HANAMSHET, Kritika, Cambridge, Massachusetts 02139, US RAMACHANDRAN, Anita, Cambridge, Massachusetts 02139, US		

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 (72) BURG, John S., Palo Alto, California 94304, US
 MAUTE, Roy L., Palo Alto, California 94304, US
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 FENG, Danqing, Rahway, New Jersey 07065, US
 GUO, Yan, Rahway, New Jersey 07065, US
 HANISAK, Jennifer, Rahway, New Jersey 07065, US
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 (71) DOMPÉ FARMACEUTICI S.P.A., Via San Martino, 12, 20122 Milano, IT
 (72) OTTAVIANI, Daniele, 40033 Casalecchio di Reno (BO), IT
 MENGONI, Riccardo, 40033 Casalecchio di Reno (BO), IT
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 (71) A4 Conti s.r.o., Potoky 1767, 76001 Zlin, CZ
 (72) Stritesky, Jiri, 76001 Zlin, CZ
 Stritesky, Marek, 76361 Zlutava, CZ
 Plesnik, Vit, 60200 Brno, CZ

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 (71) Secunet Security Networks Aktiengesellschaft, Kurfürstenstrasse 58, 45138 Essen, DE
 (72) Lawatsch, Dominik, 47805 Krefeld, DE
 Reuter, Stefan, 57482 Wenden, DE

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 (72) EDER, Matthias, 68239 Mannheim, DE
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 SCHÄFER, Martin, 69239 Neckarsteinach, DE
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 (72) AHMADI, Tahamtan, Spring House, PA 19477, US
 CASNEUF, Tineke, 1117 Amsterdam, NL
 LOKHORST, Henk M., 1117 Amsterdam, NL
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 (72) SCHNEIDER, Peter, 55216 INGELHEIM AM RHEIN, DE
 EISENREICH, Wolfram, 55216 INGELHEIM AM RHEIN, DE
 PEARNOCHOB, Nantharat, 55216 INGELHEIM AM RHEIN, DE

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 (72) CÔTÉ, Alexandre, Laval QC H7X 1X7, CA
 GEHLING, Victor S., Somerville, MA 02144, US
 KHANNA, Avinash, Cambridge, MA 02141, US
 MOINE, Ludivine, Cambridge, MA 02141, US
 STUCKEY, Jacob I., Framingham, MA 01701, US

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 AEROSOL DRUG DELIVERY
 (72) JOSHI, Vidya, San Francisco, 94080, US
 ARCHBELL, James, San Francisco, 94080, US
 LAMPA, Charina, San Francisco, US
 MELLO, Lauren, Durham, 27703, US
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 RABINOVICH, Aleksandr, La Jolla, CA 92037, US
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4360669	A61K 9/08 (2006.01) A61K 31/216 (2006.01) A61L 2/07 (2006.01) A61M 5/00 (2006.01) A61M 5/31 (2006.01) A61M 5/315 (2006.01) A61P 13/10 (2006.01)	4766929	F01B 17/02 (2006.01) F01L 1/36 (2006.01) F01L 15/16 (2006.01) F16K 3/02 (2006.01)	4766697	A61K 31/4162 (2006.01) A61P 37/00 (2006.01) A61P 43/00 (2006.01) C07D 231/16 (2006.01) C07D 495/04 (2006.01)
4622044	H01M 10/42 (2006.01) H01M 10/54 (2006.01) H02J 7/00 (2006.01)	4770639	A61K 31/40 (2006.01) A61K 45/00 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01)	4766735	A61P 35/00 (2006.01) C07K 16/30 (2006.01)
4397317	A61K 31/4545 (2006.01) A61K 31/517 (2006.01) A61K 39/395 (2006.01) A61P 25/06 (2006.01)	4771029	C07J 1/00 (2006.01) C07J 17/00 (2006.01) C07J 31/00 (2006.01) C07J 51/00 (2006.01)	4766194	A24F 40/42 (2020.01) A24F 40/465 (2020.01)
4424328	A61K 31/4155 (2006.01) A61K 31/437 (2006.01) A61K 31/519 (2006.01) A61K 31/573 (2006.01) A61K 45/06 (2006.01) A61P 17/10 (2006.01)	4781109	F16L 23/08 (2006.01)	4766338	A61K 9/28 (2006.01) A61K 31/453 (2006.01) A61K 31/706 (2006.01) A61K 31/7068 (2006.01) A61P 35/02 (2006.01)
4159479	B60C 5/00 (2006.01)	4766442	A61K 31/366 (2006.01) A61P 15/00 (2006.01) A61P 15/10 (2006.01) C07D 493/22 (2006.01)	4771007	A61K 31/437 (2006.01) A61P 3/00 (2006.01) A61P 25/00 (2006.01) A61P 25/14 (2006.01) C07D 471/04 (2006.01)
		4773945	A61K 9/20 (2006.01) A61K 9/24 (2006.01) A61K 31/519 (2006.01) A61K 31/568 (2006.01)	4771008	A61K 31/437 (2006.01)

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4766192	A24F 40/42 (2020.01) A24F 40/46 (2020.01)	4784243	A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 43/00 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 491/052 (2006.01)	4812646	E05B 1/00 (2006.01) E05B 3/00 (2006.01) E05B 53/00 (2006.01) E05C 9/02 (2006.01) E05C 9/10 (2006.01)
4777306	B26D 7/02 (2006.01) B26D 7/04 (2006.01)				
4766444	A61P 29/00 (2006.01) C07K 16/24 (2006.01)	4766404	A61K 47/68 (2017.01) A61P 35/00 (2006.01)	4780568	B01D 61/14 (2006.01) C07K 1/00 (2006.01)
4777108	A61K 31/4745 (2006.01) A61K 41/00 (2020.01) A61N 5/00 (2006.01) A61P 35/00 (2006.01)	4774377	C12N 9/12 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01)	4780823	A61K 31/436 (2006.01) A61P 35/00 (2006.01) C07D 519/00 (2006.01)
4780546	A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 407/14 (2006.01) C07D 471/04 (2006.01)	4774034	A61K 31/55 (2006.01) A61P 35/00 (2006.01) C07D 471/16 (2006.01)	4777494	A61P 1/04 (2006.01) C07D 207/06 (2006.01) C07D 211/26 (2006.01) C07D 241/04 (2006.01) C07D 265/30 (2006.01) C07D 401/12 (2006.01) C07D 403/06 (2006.01) C07D 405/04 (2006.01) C07D 487/08 (2006.01)
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4771138	C12N 9/12 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01)	4771051	A61K 39/00 (2006.01) C07K 16/28 (2006.01)	4384166	A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/4162 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)
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		4773981	A61K 38/00 (2006.01) C07K 14/47 (2006.01)	4384503	A61K 31/404 (2006.01) A61P 35/00 (2006.01) C07D 209/40 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 407/12 (2006.01) C07D 417/12 (2006.01) C07D 451/02 (2006.01) C07D 471/04 (2006.01)
4770434	A01M 23/12 (2006.01) A01M 23/20 (2006.01) A01M 23/38 (2006.01)	4777624	A61K 31/713 (2006.01) C12N 15/113 (2010.01)		
4784580	A61K 31/5025 (2006.01) A61K 31/519 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 487/04 (2006.01)	4766729	A61P 11/06 (2006.01) A61P 17/00 (2006.01) A61P 29/00 (2006.01) C07K 16/24 (2006.01)	4304653	A61K 9/00 (2006.01) A61K 31/4745 (2006.01) A61K 31/496 (2006.01) A61K 31/4965 (2006.01) A61K 31/4995 (2006.01) A61K 31/5377 (2006.01) A61K 45/00 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)
4773967	A61K 31/519 (2006.01) A61K 45/06 (2006.01) A61P 11/00 (2006.01)	4780543	A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07J 9/00 (2006.01) C07J 41/00 (2006.01) C07J 43/00 (2006.01)	4387691	A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/315 (2006.01) A61M 5/32 (2006.01) A61M 5/50 (2006.01)
4770752	A61K 31/496 (2006.01) A61P 31/20 (2006.01) C07D 417/04 (2006.01)	4774002	A61K 47/54 (2017.01) C12N 15/113 (2010.01)		
4770753	A61K 31/496 (2006.01) A61P 31/20 (2006.01) C07D 417/04 (2006.01)				
4789078	G05B 19/418 (2006.01)	4784616	C07K 16/18 (2006.01)		

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4313033	A61K 31/198 (2006.01) A61K 31/407 (2006.01) A61K 31/4196 (2006.01) A61K 31/426 (2006.01) A61K 31/69 (2006.01) A61K 38/05 (2006.01) A61K 47/02 (2006.01) A61K 47/20 (2006.01) A61K 51/04 (2006.01)	4402166	A61P 31/14 (2006.01) C07K 16/10 (2006.01)	4522220	A61K 38/26 (2006.01) A61K 47/54 (2017.01) A61P 3/10 (2006.01)
4587046	A61K 39/00 (2006.01) A61K 40/11 (2025.01) A61K 40/31 (2025.01) A61K 40/41 (2025.01) A61K 40/42 (2025.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)	4522131	A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 9/48 (2006.01) A61K 31/437 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)	4562510	G06F 16/2458 (2019.01) G06Q 10/06 (2023.01) G06Q 10/0631 (2023.01) G06Q 10/0633 (2023.01) G06Q 10/0637 (2023.01) G06Q 10/0639 (2023.01) G16H 40/20 (2018.01)
4777093	A23L 5/00 (2016.01) A61K 31/192 (2006.01) A61K 31/216 (2006.01) A61K 31/352 (2006.01) A61K 31/7048 (2006.01) A61K 35/00 (2006.01) A61P 1/00 (2006.01) A61P 3/00 (2006.01) A61P 43/00 (2006.01)	4526300	A61K 31/4196 (2006.01) A61P 25/00 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)	4561705	A61K 31/4985 (2006.01) A61P 19/02 (2006.01) A61P 37/00 (2006.01) A61P 37/02 (2006.01)
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4584261	A61K 31/4162 (2006.01) A61P 1/16 (2006.01) A61P 11/00 (2006.01) C07D 405/04 (2006.01) C07D 487/04 (2006.01)	4308169	A61K 45/06 (2006.01) A61K 47/68 (2017.01) A61P 19/02 (2006.01) A61P 35/00 (2006.01)	4562056	A61K 39/395 (2006.01) A61P 1/00 (2006.01) C07K 16/28 (2006.01)
4504795	A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)	4301760	A61K 31/499 (2006.01) A61P 9/04 (2006.01) C07D 487/10 (2006.01)	4692076	A61K 31/15 (2006.01) A61K 31/27 (2006.01) A61K 31/337 (2006.01) A61K 31/4155 (2006.01) A61K 31/495 (2006.01) A61K 31/504 (2006.01) A61K 31/506 (2006.01) A61K 31/52 (2006.01) A61K 31/5365 (2006.01) A61K 31/55 (2006.01) A61K 31/553 (2006.01) A61K 31/685 (2006.01) A61K 31/688 (2006.01) A61P 31/18 (2006.01) C07C 243/28 (2006.01) C07C 275/16 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/14 (2006.01) C07D 471/08 (2006.01) C07D 487/08 (2006.01) C07D 487/10 (2006.01) C07D 491/04 (2006.01)
4788856	D01G 1/04 (2006.01)	4219561	A61K 39/395 (2006.01) A61P 37/06 (2006.01) C07K 16/28 (2006.01) C12N 15/13 (2006.01)		
4774093	B23K 26/00 (2014.01)	4218814	A61K 39/395 (2006.01) C07K 16/40 (2006.01)		
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4518872	A61K 31/727 (2006.01) A61P 15/04 (2006.01)	4245313	A61K 38/17 (2006.01) A61P 27/02 (2006.01)		
4519252	A61K 31/438 (2006.01) A61P 25/00 (2006.01)	4234545	A61K 31/4196 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61K 31/496 (2006.01)	4726957	E06B 9/24 (2006.01) E06B 9/68 (2006.01) H02J 7/00 (2026.01)

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4659763	A61K 39/00 (2006.01) A61K 45/06 (2006.01) C07K 16/18 (2006.01) C07K 16/40 (2006.01)	4359435	A61K 39/00 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)	4663617	B28B 3/20 (2006.01) B28B 3/22 (2006.01) B28B 3/26 (2006.01) C04B 22/00 (2006.01) C04B 28/00 (2006.01) C04B 28/10 (2006.01) C04B 28/12 (2006.01)
4752307	E04F 15/024 (2006.01)	4351541	A61K 31/00 (2006.01) A61P 27/02 (2006.01)		
4674271	A01N 25/28 (2006.01) A01N 43/40 (2006.01) A01N 43/56 (2006.01) A01N 43/60 (2006.01) A01N 43/653 (2006.01) A01N 43/76 (2006.01) A01N 47/36 (2006.01) A01N 53/00 (2006.01) A01N 59/02 (2006.01) A01N 59/20 (2006.01) A01P 3/00 (2006.01) A01P 7/02 (2006.01) A01P 7/04 (2006.01)	4570796	C07B 61/00 (2006.01) C07D 303/16 (2006.01) C07D 407/06 (2006.01) C07F 5/02 (2006.01) C07F 5/04 (2006.01) C07F 7/08 (2006.01) C07F 7/18 (2006.01) C07F 7/22 (2006.01)	4574211	A61K 9/00 (2006.01) A61K 38/18 (2006.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61P 27/02 (2006.01) C07K 14/475 (2006.01) C07K 14/50 (2006.01)
		4565934	G06F 1/16 (2006.01) G06F 3/01 (2006.01) G10L 17/22 (2013.01)	4582446	A61K 39/395 (2006.01) A61P 25/28 (2006.01) C07K 16/18 (2006.01)
4696309	A61K 9/20 (2006.01) A61K 31/34 (2006.01) A61K 31/513 (2006.01) A61K 31/5377 (2006.01) A61K 31/675 (2006.01)	4775302	B01J 2/10 (2006.01) B01J 8/14 (2006.01) C05D 3/02 (2006.01) C05D 5/00 (2006.01) C05G 5/12 (2020.01)	4628105	A61K 47/68 (2017.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01)
4766679	C04B 28/06 (2006.01) C04B 38/10 (2006.01)	4780459	A61K 31/506 (2006.01)	4615067	H04W 24/02 (2009.01) H04W 52/02 (2009.01) H04W 76/28 (2018.01)
4777472	A01G 24/35 (2018.01) C05G 3/80 (2020.01) C09K 17/40 (2006.01)	4802247	A61B 5/01 (2006.01) G01B 11/16 (2006.01) G01D 5/30 (2006.01) G01D 5/353 (2006.01) G01L 1/24 (2006.01)	4161926	A61K 31/5377 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) C07D 471/04 (2006.01)
4788338	A61K 31/506 (2006.01) A61K 31/553 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)	4760013	E04B 2/74 (2006.01) E04B 2/76 (2006.01) E04B 2/78 (2006.01)	4161658	A61P 35/00 (2006.01) C07K 14/705 (2006.01) C12Q 1/6886 (2018.01)
4766508	B21J 15/02 (2006.01) B21J 15/04 (2006.01) B21J 15/10 (2006.01) B21J 15/12 (2006.01) B21J 15/20 (2006.01) B21J 15/26 (2006.01) B21J 15/28 (2006.01)	4666987	A61F 2/06 (2013.01) A61F 2/07 (2013.01) A61F 2/24 (2006.01) A61F 2/95 (2013.01)	4161523	A61K 31/519 (2006.01) A61P 25/00 (2006.01) C07D 487/04 (2006.01)
		4666986	A61F 2/07 (2013.01) A61F 2/24 (2006.01) A61F 2/95 (2013.01) A61F 2/966 (2013.01)	4244223	A61K 31/437 (2006.01) A61K 31/4985 (2006.01) A61K 31/506 (2006.01) A61P 17/00 (2006.01) A61P 19/02 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 519/00 (2006.01)
4766509	B21J 15/02 (2006.01) B21J 15/04 (2006.01) B21J 15/10 (2006.01) B21J 15/12 (2006.01) B21J 15/20 (2006.01) B21J 15/26 (2006.01) B21J 15/28 (2006.01)	4692483	E04B 2/02 (2006.01) E04B 2/06 (2006.01) E04B 2/08 (2006.01) E04B 2/12 (2006.01)		
4337394	B09B 1/00 (2006.01) E21B 43/12 (2006.01)	4793235	C01B 33/113 (2006.01) C01B 33/18 (2006.01)	4247795	A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 239/84 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01)
4358784	A43B 13/12 (2006.01) A43B 13/14 (2006.01) A43B 13/18 (2006.01)	4595996	A61M 5/00 (2006.01) A61P 29/00 (2006.01) C07K 16/28 (2006.01) G01N 33/53 (2006.01)	4157320	A61K 38/19 (2006.01) A61K 38/20 (2006.01) A61K 39/215 (2006.01) C07K 16/24 (2006.01) C12N 15/50 (2006.01) C12P 21/08 (2006.01)
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4256758	H04L 12/42 (2006.01)	4378296	A01D 34/13 (2006.01)		
4262978	A61P 3/12 (2006.01) A61P 9/00 (2006.01) A61P 29/00 (2006.01) C07F 9/6561 (2006.01)	4254855	H04L 9/08 (2006.01) H04L 9/32 (2006.01)	4433597	A61K 31/7088 (2006.01) A61K 31/7125 (2006.01) A61P 25/02 (2006.01) C07H 21/02 (2006.01) C07H 21/04 (2006.01) C12N 15/113 (2010.01)
4176873	A61K 31/122 (2006.01) A61P 13/02 (2006.01) A61P 13/10 (2006.01)	4281072	A61K 31/4439 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)		
4342087	B06B 1/02 (2006.01) H03K 19/00 (2006.01)	4288077	A61K 38/03 (2006.01) A61P 27/02 (2006.01)	4444876	C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/113 (2010.01)
4180454	A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 11/06 (2006.01) A61P 37/00 (2006.01) A61P 37/08 (2006.01) C07K 16/00 (2006.01) C12N 15/13 (2006.01)	4298250	C12Q 1/6886 (2018.01)	4444885	A61K 31/711 (2006.01) A61K 48/00 (2006.01) C07H 21/02 (2006.01) C12N 15/113 (2010.01) C12N 15/85 (2006.01)
4109742	H02S 20/22 (2014.01) H02S 30/10 (2014.01)	4402419	A47B 81/00 (2006.01) F41A 17/06 (2006.01) G07C 9/32 (2020.01) G07F 17/10 (2006.01) H04W 12/40 (2021.01)	4536847	C12Q 1/6806 (2018.01) C12Q 1/683 (2018.01)
4122935	A61K 31/529 (2006.01) A61K 31/553 (2006.01) A61K 45/06 (2006.01) A61P 31/12 (2006.01) A61P 31/18 (2006.01) A61P 43/00 (2006.01) C07D 47/04 (2006.01) C07D 47/14 (2006.01) C07D 47/18 (2006.01) C07D 47/22 (2006.01) C07D 487/04 (2006.01) C07D 487/14 (2006.01) C07D 498/14 (2006.01) C07D 498/18 (2006.01)	4402178	A61K 47/68 (2017.01) C07K 16/30 (2006.01)	4588444	A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/062 (2006.01)
4104686	A23L 7/157 (2016.01) A23L 13/50 (2016.01) A23L 17/00 (2016.01) A23P 20/12 (2016.01)	4401777	A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 47/56 (2017.01) A61K 47/62 (2017.01) A61K 47/68 (2017.01) A61P 9/00 (2006.01) A61P 21/00 (2006.01) C07K 16/28 (2006.01) C12N 15/113 (2010.01)	4585165	A61B 17/04 (2006.01)
4148124	C12N 5/0783 (2010.01)	4410838	A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)	4612768	E05F 1/00 (2006.01) E05F 15/72 (2015.01) H02B 1/30 (2006.01) H02B 1/56 (2006.01) H02B 13/025 (2006.01)
4151630	A61K 31/4439 (2006.01) A61P 29/00 (2006.01) C07D 401/10 (2006.01)	4411678	G07C 9/00 (2020.01) G07C 9/21 (2020.01) G07C 9/27 (2020.01)	4410097	A01H 1/00 (2006.01) A01H 6/46 (2018.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01)
4119608	C08K 5/00 (2006.01) C08K 5/098 (2006.01) C08L 77/06 (2006.01)	4415719	A61K 31/519 (2006.01) A61P 35/00 (2006.01)	4473961	A61K 9/20 (2006.01) A61K 31/137 (2006.01) A61K 31/485 (2006.01)
4137803	G01N 21/88 (2006.01) G01N 21/958 (2006.01)	4415796	A61M 25/10 (2013.01) A61M 29/02 (2006.01)	4249469	C07D 413/14 (2006.01)
4554402	A23L 3/54 (2006.01) A23L 5/30 (2016.01) F26B 3/347 (2006.01) F26B 5/04 (2006.01)	4419089	A61K 31/015 (2006.01) A61K 31/025 (2006.01) A61K 31/045 (2006.01) A61K 31/277 (2006.01) A61K 31/33 (2006.01) A61K 31/403 (2006.01) A61K 31/4164 (2006.01) A61K 31/435 (2006.01) A61K 31/437 (2006.01) A61K 31/5025 (2006.01) A61P 35/00 (2006.01)	4295846	A61K 31/4439 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01)
4056593	C07K 16/28 (2006.01)	4429711	A61K 31/713 (2006.01) A61K 47/68 (2017.01) A61P 21/00 (2006.01)	4164644	A61K 31/454 (2006.01) A61K 45/06 (2006.01) A61P 9/04 (2006.01)
				4475896	A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C12N 9/22 (2006.01)
				4466285	A61K 39/395 (2006.01) A61P 1/00 (2006.01) C07K 16/18 (2006.01)

Broj objave evropske prijava patenta (97)	MKP (51)	Broj objave evropske prijava patenta (97)	MKP (51)	Broj objave evropske prijava patenta (97)	MKP (51)
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4482582	A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 21/00 (2006.01) C07K 16/28 (2006.01)	4470557	A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 25/00 (2006.01) A61P 25/06 (2006.01) C07K 16/18 (2006.01) C07K 16/26 (2006.01)	4663366	B28B 1/00 (2006.01) B28B 3/00 (2006.01) B28B 3/02 (2006.01) C04B 28/02 (2006.01) C04B 38/00 (2006.01) C04B 40/00 (2006.01) C04B 111/52 (2006.01) E01B 19/00 (2006.01) E01C 9/00 (2006.01) E01F 8/00 (2006.01) E04C 2/04 (2006.01)
4479394	A01N 43/00 (2006.01) C07D 401/04 (2006.01)	4464719	A61K 47/68 (2017.01) C07K 14/605 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01)		
4587471	A61P 1/08 (2006.01) A61P 25/06 (2006.01) C07K 16/18 (2006.01)	4785339	G01N 33/50 (2006.01) G16B 25/10 (2019.01) G16H 20/10 (2018.01)	4685327	E04F 19/08 (2006.01) E05D 7/081 (2006.01) E05D 11/06 (2006.01) E06B 3/964 (2006.01) E06B 5/01 (2006.01)
4587023	A61K 31/4545 (2006.01) A61K 31/496 (2006.01) A61K 31/675 (2006.01) A61K 33/243 (2019.01) A61P 1/08 (2006.01)	4196098	A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/567 (2006.01) A61P 15/18 (2006.01)		
4598586	A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)	4192860	A61P 31/14 (2006.01) C07K 16/10 (2006.01)	4631505	A61K 31/47 (2006.01) A61P 35/00 (2006.01) C07D 215/48 (2006.01)
4522841	E06B 1/56 (2006.01) E06B 5/02 (2006.01) E06B 9/01 (2006.01) E06B 9/06 (2006.01) E06B 9/24 (2006.01) E06B 9/52 (2006.01)	4204812	A61K 31/00 (2006.01) A61P 35/00 (2006.01) C12Q 1/6886 (2018.01) G01N 33/574 (2006.01)	4672575	H02K 21/00 (2006.01) H02K 55/02 (2006.01)
4537824	A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 9/36 (2006.01) A61K 31/437 (2006.01) A61K 47/38 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)	4196168	A61K 47/68 (2017.01) A61P 35/00 (2006.01)	4663636	A61K 31/415 (2006.01) A61P 7/02 (2006.01) C07D 231/14 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 413/04 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)
4543438	A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61K 31/425 (2006.01) A61K 31/426 (2006.01) A61K 31/428 (2006.01) A61K 38/06 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)	4643951	A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07K 14/47 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)	4620975	A61K 39/395 (2006.01) C07K 16/28 (2006.01)
4686504	A61K 9/19 (2006.01) A61K 9/20 (2006.01) B01J 2/22 (2006.01) B29C 33/00 (2006.01) B29C 35/16 (2006.01) F26B 5/06 (2006.01)	4635570	A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/5365 (2006.01) A61K 31/5377 (2006.01) A61P 25/00 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 487/04 (2006.01) C07D 491/20 (2006.01) C07D 498/04 (2006.01)	4620976	A61K 39/395 (2006.01) C07K 16/28 (2006.01)
4455135	A01N 43/50 (2006.01) A01N 43/54 (2006.01) A01N 43/653 (2006.01) A01P 7/04 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/506 (2006.01) A61P 33/00 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01)	4671038	B32B 1/08 (2006.01) B32B 27/32 (2006.01) C08L 23/14 (2006.01) F16L 9/00 (2006.01) F16L 9/133 (2006.01)		B60L 53/63 (2019.01) B60L 53/64 (2019.01) B60L 53/66 (2019.01) B60L 53/67 (2019.01) B60L 53/68 (2019.01) B60L 55/00 (2019.01) G06N 10/60 (2022.01) H02J 3/32 (2006.01)
4696247	A61B 17/00 (2006.01)	4606434	A61P 35/02 (2006.01) A61P 37/02 (2006.01)	4647126	A61K 9/1271 (2025.01) A61K 9/1277 (2025.01) A61K 31/4745 (2006.01) A61P 35/00 (2006.01)
4702865	A42B 1/008 (2021.01) A42B 1/012 (2021.01) A42B 1/0195 (2021.01)			4617276	A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 31/407 (2006.01) A61K 31/436 (2006.01) A61P 7/06 (2006.01) C07D 487/04 (2006.01)

Broj objave evropske prijava patenta (97)	MKP (51)	Broj objave evropske prijava patenta (97)	MKP (51)	Broj objave evropske prijava patenta (97)	MKP (51)
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4795208	C12Q 1/6886 (2018.01) G01N 33/574 (2006.01)	4812962	A61K 40/31 (2025.01) C12N 5/0783 (2010.01) G16H 20/10 (2018.01)	4781195	G01N 33/50 (2006.01) G01N 33/574 (2006.01)
4791733	A61K 31/497 (2006.01) A61K 35/00 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 487/08 (2006.01) C07D 519/00 (2006.01)	4812963	A61K 40/31 (2025.01) C12N 5/0783 (2010.01) G16H 20/10 (2018.01)	4312982	A61K 9/00 (2006.01) A61K 38/00 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) A61P 3/10 (2006.01)
4808599	A61K 39/395 (2006.01) C07K 16/28 (2006.01)	4812964	A61K 40/31 (2025.01) C12N 5/0783 (2010.01) G16H 20/10 (2018.01)	4337695	A61P 7/00 (2006.01) C07K 16/28 (2006.01)
4812467	A61K 31/5025 (2006.01) A61P 25/00 (2006.01) C07D 471/04 (2006.01)	4812965	A61K 40/31 (2025.01) C12N 5/0783 (2010.01) G16H 20/10 (2018.01)	4444735	C07K 1/00 (2006.01) C07K 1/12 (2006.01) C07K 1/13 (2006.01)
4808936	A61K 31/41 (2006.01) A61P 1/16 (2006.01) C07D 407/06 (2006.01) C07D 409/06 (2006.01) C07D 413/06 (2006.01) C07D 417/06 (2006.01)	4808960	A61K 38/00 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) C07K 14/575 (2006.01)	4447669	A01N 25/04 (2006.01) A01N 55/02 (2006.01) A01P 3/00 (2006.01)
4808590	A61K 39/00 (2006.01) A61P 25/28 (2006.01) C07K 14/47 (2006.01)	4812464	A61K 31/4155 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01) C07D 519/00 (2006.01)	4444343	A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01) C07K 16/26 (2006.01) C07K 16/30 (2006.01)
4812193	A61K 47/68 (2017.01) A61P 35/00 (2006.01)	4812494	A61K 39/395 (2006.01) A61P 35/02 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)	4373577	A61K 38/17 (2006.01) A61P 9/12 (2006.01) C07K 14/71 (2006.01)
4770616	A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) A61K 47/36 (2006.01)	4812182	A61K 9/00 (2006.01) A61K 38/17 (2006.01) A61P 11/00 (2006.01) A61P 11/12 (2006.01) C07K 14/47 (2006.01)	4448516	A61K 31/553 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01) C07D 413/12 (2006.01)
4808928	A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 471/08 (2006.01) C07D 471/10 (2006.01)	4801903	A61K 31/404 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01)	4453315	E01C 11/22 (2006.01)
4805356	A61K 31/5025 (2006.01) A61P 25/00 (2006.01) C07D 487/04 (2006.01)	4788434	A61K 31/423 (2006.01) A61P 35/00 (2006.01) C07D 261/20 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01)	4476218	C07D 471/04 (2006.01)
4812957	A61K 40/31 (2025.01) C12N 5/0783 (2010.01) G16H 20/10 (2018.01)	4534075	A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 39/395 (2006.01) A61P 11/06 (2006.01) C07K 16/24 (2006.01)	4370506	A61K 31/4965 (2006.01) A61K 31/497 (2006.01) A61K 31/498 (2006.01) A61P 35/00 (2006.01) C07D 241/20 (2006.01) C07D 241/26 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01)
4812958	A61K 40/31 (2025.01) C12N 5/0783 (2010.01) G16H 20/10 (2018.01)	4812959	A61K 40/31 (2025.01) G16H 20/10 (2018.01)	4388203	F04D 17/16 (2006.01) F04D 25/08 (2006.01) F04D 29/28 (2006.01) F04D 29/42 (2006.01) F04D 29/70 (2006.01)
4812960	A61K 40/31 (2025.01) C12N 5/0783 (2010.01) G16H 20/10 (2018.01)	4541378	A61K 51/04 (2006.01)	4392397	A61K 31/03 (2006.01)
		4617389	C22B 7/00 (2006.01) C22B 15/00 (2006.01)		

Broj objave evropske prijava patenta (97)	MKP (51)	Broj objave evropske prijava patenta (97)	MKP (51)	Broj objave evropske prijava patenta (97)	MKP (51)
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		4408401	A61K 9/16 (2006.01)	4774392	C12N 15/113 (2010.01)
4400492	B01J 31/02 (2006.01) C07B 61/00 (2006.01) C07C 37/58 (2006.01) C07C 39/04 (2006.01) C07D 219/14 (2006.01)	4413040	A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)	4770757	A61K 31/423 (2006.01) A61P 35/00 (2006.01) C07D 413/12 (2006.01)
		4352220	C12N 9/22 (2006.01) C12N 15/11 (2006.01) C12N 15/113 (2010.01) C12N 15/86 (2006.01)	4780961	A61K 31/713 (2006.01) C12N 15/113 (2010.01)
4395827	A61K 31/192 (2006.01) A61K 31/4406 (2006.01) A61K 45/06 (2006.01) A61P 25/28 (2006.01) C07C 61/40 (2006.01) C07D 213/79 (2006.01) C07D 213/80 (2006.01) C07D 213/81 (2006.01) C07D 213/82 (2006.01)	4299595	C07K 16/46 (2006.01)	4791945	C08L 33/06 (2006.01) D21H 17/34 (2006.01) D21H 19/20 (2006.01) D21H 19/58 (2006.01) D21H 21/16 (2006.01)
		4539207	H01M 10/613 (2014.01) H01M 10/6555 (2014.01) H01M 50/24 (2021.01) H01M 50/244 (2021.01)	4777074	A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/198 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)
4323002	A61K 39/395 (2006.01) A61P 21/04 (2006.01) C07K 16/28 (2006.01)	4363447	A61K 39/395 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)	4780416	A61K 9/00 (2006.01) A61K 9/20 (2006.01)
4392060	A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C12N 15/113 (2010.01) C12N 15/90 (2006.01)	4359531	A61K 9/127 (2006.01) A61K 31/7088 (2006.01) A61P 25/28 (2006.01) C12N 9/22 (2006.01) C12N 15/113 (2010.01)	4777462	C02F 1/00 (2023.01) C02F 1/68 (2023.01) C02F 5/08 (2023.01)
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				4791503	A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)
4422654	A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 36/062 (2006.01) A61K 36/899 (2006.01) A61P 3/06 (2006.01)	4284933	A61K 31/713 (2006.01) A61K 47/54 (2017.01) A61K 48/00 (2006.01) C12N 15/113 (2010.01)	4795024	C07C 213/08 (2006.01) C07C 217/84 (2006.01) C07C 231/12 (2006.01) C07C 233/25 (2006.01) C07C 237/20 (2006.01) C07F 5/02 (2006.01)
4412641	A61K 39/00 (2006.01) A61P 37/00 (2006.01) C07K 16/28 (2006.01)	4370128	A61K 31/5377 (2006.01) A61K 45/06 (2006.01) A61P 17/00 (2006.01) A61P 19/02 (2006.01) A61P 37/02 (2006.01) A61P 37/06 (2006.01)	4783900	A24F 40/80 (2020.01)
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4412714	A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)	4366695	A61K 9/00 (2006.01) A61K 31/00 (2006.01)	4766461	A63J 1/02 (2006.01)
4416180	C07K 16/28 (2006.01)	4370920	C12N 5/079 (2010.01) C12N 5/0797 (2010.01) G01N 33/50 (2006.01)	4791874	C12N 15/113 (2010.01)
4430005	B01D 61/14 (2006.01) B01D 63/06 (2006.01)			4791946	C08L 33/06 (2006.01) D21H 17/34 (2006.01)

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4784607	A61K 38/00 (2006.01) C07K 14/525 (2006.01)				
4791742	A61K 45/06 (2006.01) A61P 35/00 (2006.01) C07D 491/052 (2006.01)	4794706	A61K 35/17 (2025.01) A61K 40/11 (2025.01) C12N 5/0783 (2010.01)		
4780962	C12N 15/113 (2010.01)	4788662	C07C 219/06 (2006.01) C07C 229/12 (2006.01) C07C 237/08 (2006.01) C07C 271/16 (2006.01) C07C 333/04 (2006.01)	4791730	C07C 211/46 (2006.01) C07D 215/50 (2006.01) C07D 265/26 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01)
4784577	A61P 25/28 (2006.01) C07D 471/04 (2006.01)				
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4777737	F16L 23/00 (2006.01) F16L 23/036 (2006.01) F16L 23/16 (2006.01)	4791729	A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01)		
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4794889	B29C 53/56 (2006.01) B29C 53/80 (2006.01) B29C 63/10 (2006.01)	4780821	A61K 31/439 (2006.01) A61P 31/04 (2006.01) C07D 471/18 (2006.01)	4791405	A61K 31/4745 (2006.01) A61K 31/519 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01)
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4794698	A61K 9/00 (2006.01) A61K 31/506 (2006.01) A61P 3/10 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 17/00 (2006.01) A61P 37/00 (2006.01)	4789024	C12Q 1/6883 (2018.01) G01N 33/566 (2006.01) G01N 33/68 (2006.01)		
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4798594	A61K 51/04 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07F 9/38 (2006.01)			4795048	A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/536 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01) C07D 519/00 (2006.01)

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4768582	A61K 31/713 (2006.01) A61K 47/54 (2017.01) A61P 9/12 (2006.01) C12N 15/113 (2010.01)	4804998	A61K 9/00 (2006.01) A61K 31/135 (2006.01) A61P 25/24 (2006.01)	4766833	A61K 31/7125 (2006.01) A61P 25/08 (2006.01) A61P 25/28 (2006.01) C12N 15/113 (2010.01)
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4804980	A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 38/08 (2019.01) A61K 47/14 (2017.01) A61K 47/26 (2006.01)	4536179	A61K 9/00 (2006.01) A61K 9/50 (2006.01) A61P 35/00 (2006.01)	4772179	A61K 31/337 (2006.01) A61K 31/357 (2006.01) A61K 31/4745 (2006.01) A61K 31/475 (2006.01) A61K 31/506 (2006.01) A61K 31/513 (2006.01) A61K 31/519 (2006.01) A61K 31/7048 (2006.01) A61K 31/7068 (2006.01) A61K 31/7072 (2006.01) A61K 31/7076 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)
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4798580	A61K 31/4375 (2006.01) A61P 25/04 (2006.01) C07D 405/04 (2006.01) C07D 471/04 (2006.01)	4536208	A61K 31/198 (2006.01) A61K 31/4985 (2006.01) A61K 45/06 (2006.01) A61P 25/00 (2006.01)	4771010	A61K 31/4353 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 471/04 (2006.01)
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4791780	C07K 16/28 (2006.01)	4716692	A61K 38/00 (2006.01) C07K 14/71 (2006.01)	4771013	A61K 31/4353 (2006.01) A61P 35/00 (2006.01) C07D 471/14 (2006.01)
4798306	A61P 25/28 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01) C07D 493/04 (2006.01) C07D 493/10 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)	4766395	A61K 9/08 (2006.01) A61K 39/395 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)	4774009	A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/32 (2006.01)
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		4766360	A61K 31/33 (2006.01)		

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4777242	B03C 1/03 (2006.01) B03C 1/031 (2006.01)			4777098	A61K 31/13 (2006.01) A61K 31/33 (2006.01) A61K 31/343 (2006.01) A61K 31/395 (2006.01)
4777188	A61B 90/80 (2016.01) A61M 35/00 (2006.01)	4785942	A61K 31/496 (2006.01) A61K 31/7052 (2006.01) A61K 31/706 (2006.01) A61K 45/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01)	4791420	A61K 38/16 (2006.01) A61K 48/00 (2006.01) A61P 3/10 (2006.01) C07K 14/005 (2006.01)
4777199	A61K 31/33 (2006.01) A61P 25/08 (2006.01) C07C 235/08 (2006.01) C07D 471/04 (2006.01)			4791382	A61K 31/395 (2006.01) A61K 31/4196 (2006.01) A61K 31/44 (2006.01)
4777501	A61K 31/495 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61K 31/513 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) A61P 7/00 (2006.01) C07D 295/03 (2006.01) C07D 403/04 (2006.01) C07D 405/04 (2006.01) C07D 409/04 (2006.01) C07D 411/04 (2006.01) C07D 413/04 (2006.01) C07D 417/04 (2006.01) C07D 471/04 (2006.01) C07D 495/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)	4772507	A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/4545 (2006.01) A61K 31/4725 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/02 (2006.01) A61P 37/04 (2006.01) A61P 37/06 (2006.01) A61P 43/00 (2006.01) C07D 471/04 (2006.01) C07D 519/00 (2006.01)	4791750	A61K 38/06 (2006.01) A61P 35/00 (2006.01) C07K 5/03 (2006.01) C07K 5/06 (2006.01) C07K 5/08 (2006.01)
4776991	A61B 5/374 (2021.01) A61B 5/377 (2021.01) A61N 1/04 (2006.01) G06N 20/00 (2019.01) G16H 20/10 (2018.01)	4784601	A61K 38/16 (2006.01) A61K 48/00 (2006.01) C07K 14/015 (2006.01) C12N 15/864 (2006.01)	4791872	A61K 48/00 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) C12N 15/86 (2006.01)
4777524	A61K 39/12 (2006.01) A61P 31/14 (2006.01) B82Y 5/00 (2011.01) C07K 14/135 (2006.01) C12N 15/85 (2006.01)	4784628	A61K 39/395 (2006.01) A61P 21/02 (2006.01) C07K 16/28 (2006.01) C12N 15/864 (2006.01)	4791788	C07K 14/705 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01)
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4780577	B01J 8/00 (2006.01) B01J 8/02 (2006.01) B01J 8/06 (2006.01) C01B 3/38 (2026.01) C01B 32/40 (2017.01) C01B 32/50 (2017.01)	4784761	A61K 48/00 (2006.01) A61P 21/00 (2006.01) C12N 15/113 (2010.01)	4791386	A61K 31/166 (2006.01) A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61K 31/4045 (2006.01) A61K 31/405 (2006.01)
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Broj objave evropske prijava patenta (97)	MKP (51)	Broj objave evropske prijava patenta (97)	MKP (51)	Broj objave evropske prijava patenta (97)	MKP (51)
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		4805309	B65G 1/04 (2006.01) B65G 1/137 (2006.01) B66F 9/06 (2006.01)	4812162	A61K 31/33 (2006.01) A61K 31/395 (2006.01) C07D 307/78 (2006.01) C07D 307/79 (2006.01)
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		4805359	A61K 31/5025 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)	4199954	A61P 37/00 (2006.01) C07K 16/18 (2006.01) C07K 16/40 (2006.01) G01N 33/573 (2006.01)
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4798174	A61K 9/20 (2006.01) A61K 47/12 (2006.01) C07C 51/41 (2006.01) C07C 51/43 (2006.01) C11C 3/00 (2006.01)	4810515	A61K 39/395 (2006.01) A61P 3/00 (2006.01) A61P 35/00 (2006.01) C07K 16/22 (2006.01) C12N 15/13 (2006.01) G01N 33/68 (2006.01)	4205764	A61K 39/395 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01) G01N 33/531 (2006.01) G01N 33/574 (2006.01)
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4798251	A61K 9/127 (2025.01) A61K 9/51 (2006.01) A61K 47/54 (2017.01) A61K 47/68 (2017.01) A61K 47/69 (2017.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) C07K 16/22 (2006.01) C12N 15/11 (2006.01) C12N 15/113 (2010.01) C12N 15/864 (2006.01)	4810516	A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 15/13 (2006.01) C12N 15/85 (2006.01)	4208257	A61K 38/21 (2006.01) A61P 17/00 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 31/12 (2006.01) C12Q 1/46 (2006.01)
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		4643872	A61K 38/00 (2006.01) A61K 38/17 (2006.01) A61K 38/22 (2006.01) A61P 3/10 (2006.01) C07K 14/605 (2006.01)	4649966	A61K 51/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)
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				4663015	A01M 1/02 (2006.01)
				4667000	A61K 9/08 (2006.01) A61K 47/10 (2017.01) A61K 47/36 (2006.01)
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	B01J 19/24 (2006.01)				A61P 25/00 (2006.01)
	F28D 7/16 (2006.01)				A61P 29/00 (2006.01)
4438129	F28D 21/00 (2006.01)	4808301	H05K 7/20 (2006.01)	4584347	C07D 235/30 (2006.01)
	A61K 31/7088 (2006.01)				C07D 405/04 (2006.01)
	A61K 31/713 (2006.01)				C07D 471/04 (2006.01)
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	A47C 7/48 (2006.01)				A61P 37/04 (2006.01)
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4812448	C06B 25/32 (2006.01)	4573104	A61K 31/015 (2006.01) A61K 31/03 (2006.01) A61K 31/166 (2006.01) A61K 31/167 (2006.01) A61K 31/18 (2006.01) A61K 31/195 (2006.01) A61K 31/196 (2006.01) A61K 31/5375 (2006.01) A61P 25/08 (2006.01) G01T 1/00 (2006.01)	4593862	G01N 33/50 (2006.01)
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	A61K 31/573 (2006.01)				C10L 1/04 (2006.01)
	A61K 38/05 (2006.01)				C10L 1/08 (2006.01)
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	A61K 39/00 (2006.01)				A61K 31/045 (2006.01)
	A61K 39/395 (2006.01)				A61K 31/33 (2006.01)
	A61P 35/00 (2006.01)				A61K 31/395 (2006.01)
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	C12N 9/52 (2006.01)				A61K 31/7115 (2006.01)
	C12N 15/62 (2006.01)				A61K 31/712 (2006.01)
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	H04L 51/18 (2022.01)				C07H 21/02 (2006.01)
	H04L 51/212 (2022.01)				C07H 21/04 (2006.01)
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	A61K 31/167 (2006.01)				A61K 31/33 (2006.01)
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