

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM609860

<b>SUBMISSION TYPE:</b>	RESUBMISSION
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT OF THE ENTIRE INTEREST AND THE GOODWILL
<b>RESUBMIT DOCUMENT ID:</b>	900575300

## CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
INVISTA North America, LLC		10/01/2020	Limited Liability Company: DELAWARE

## RECEIVING PARTY DATA

<b>Name:</b>	INV Nylon Chemicals Americas, LLC
<b>Street Address:</b>	4123 East 37th Street North
<b>City:</b>	Wichita
<b>State/Country:</b>	KANSAS
<b>Postal Code:</b>	67220
<b>Entity Type:</b>	Limited Liability Company: DELAWARE

## PROPERTY NUMBERS Total: 7

Property Type	Number	Word Mark
Registration Number:	1467830	DYTEK
Registration Number:	1544087	ADI-PURE
Registration Number:	4871540	RAPTOR
Registration Number:	4759011	MADE OF TOUGH
Registration Number:	4720373	R AND RAPTOR NYLON PIPE
Registration Number:	4876083	R
Registration Number:	5763541	AMINOVATION LAB

## CORRESPONDENCE DATA

## Fax Number:

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

Phone: 404-652-4572  
 Email: sam.gunn@kochps.com  
 Correspondent Name: Sam Gunn  
 Address Line 1: 4111 East 37th Street North  
 Address Line 2: IP Dept Mail Stop C2  
 Address Line 4: Wichita, KANSAS 67220

<b>NAME OF SUBMITTER:</b>	Sam Gunn
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<b>SIGNATURE:</b>	/Sam Gunn/
<b>DATE SIGNED:</b>	11/19/2020
<b>Total Attachments: 22</b> source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page1.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page2.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page3.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page4.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page5.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page6.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page7.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page8.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page9.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page10.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page11.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page12.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page13.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page14.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page15.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page16.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page17.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page18.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page19.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page20.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page21.tif source=Confirmatory_Assignment_(INV NYLON CHEMICALS).DOCX#page22.tif	

## CONFIRMATORY ASSIGNMENT

This CONFIRMATORY ASSIGNMENT (this “Confirmatory Assignment”) is entered into by and between INVISTA North America, LLC, a Delaware limited liability company, and INV Nylon Chemicals Americas, LLC, a Delaware limited liability company, effective as of the 1<sup>st</sup> day of October, 2020.

A. INVISTA North America, LLC, a Delaware limited liability company, is the Assignor (“Assignor”);

B. INV Nylon Chemicals Americas, LLC, a Delaware limited liability company is the Assignee (“INCA”);

C. Assignor and INCA executed a certain Intellectual Property Assignment Agreement dated October 1, 2020, whereby Assignor sold all right, title and interest in and to the patents, trademarks and copyrights listed on Schedule I (collectively “Patents,” “Trademarks” and “Copyrights,” respectively) to INCA; and

D. Assignor and INCA desire to execute this Confirmatory Assignment of the Patents, Trademarks and Copyrights.

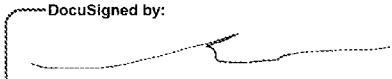
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor by these present confirms selling, assigning, and transferring unto INCA, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the Patents, Trademarks and Copyrights, together with the goodwill related thereto, along with any right to claim priority required for any of the Patents under any applicable convention, treaty, statute, or regulation, the Patents to be held and enjoyed by INCA, its successors, legal representatives, and assigns to the full end of the term of the Patents, Trademarks and Copyrights as fully and entirely as the Patents, Trademarks and Copyrights could have been held and enjoyed by Assignor as if the assignment and sale had not been made, together with all rights of actions for past infringement thereof including the right to recover damages for said infringement.

AND, Assignor hereby warrants and covenants that Assignor has not and will not execute any assignment or other instrument in conflict with this assignment;

AND, Assignor and INCA hereby covenant and agree to take such further actions and execute such further documents as may be reasonably necessary or appropriate to carry out this Assignment, including, for the avoidance of doubt, the execution and recordation of additional or amended confirmatory assignments to record the transfer of the Patents, Trademarks and Copyrights at all applicable registries in INCA’s name.

ASSIGNOR:

INVISTA NORTH AMERICA, LLC

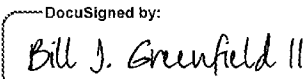
By:   
DocuSigned by:  
81B156C908B54E0...

Name: Maggie Bidlingmaier

Title: President

INCA:

INV NYLON CHEMICALS AMERICAS, LLC

By:   
DocuSigned by:  
2C2BCB1110014A5...

Name: Billy J. Greenfield II

Title: President



**SCHEDULE I****Patents, Trademarks and Copyrights****Patents:**

<b>Case Ref.</b>	<b>Title</b>	<b>Date Filed</b>	<b>App. No.</b>	<b>Grant No.</b>
CL1359-US-NP	OXIDATIVE CARBONYLATION OF TOLUENE CATALYZED BY RHODIUM AND IRIDIUM	27 Jun 2000	09/604565	6548698
CL1399-US-PCT	PROCESS FOR THE DECOMPOSITION OF NITROUS OXIDE	02 Aug 2001	09/890743	6429168
CL1802-US-NP	ZIRCONIA CATALYSTS FOR NITROUS OXIDE ABATEMENT	28 Feb 2002	10/086307	6710010
INT-2019-PAT-0005-US-PRO[2]	PURIFICATION OF ADIPONITRILE	27 Jan 2020	62/966031	
INT-2019-PAT-0005-US-PRO	PURIFICATION OF ADIPONITRILE	27 Jan 2020	62/966027	
INT-2019-PAT-0007-US-PRO	PRODUCTION OF ADIPONITRILE	29 Jan 2020	62/967040	
INT-2019-PAT-0009-US-PRO	CLEANING METHOD FOR ADIPIC ACID TO ADIPONITRILE PROCESS EQUIPMENT	31 Jan 2020	62/968164	
INT-2019-PAT-0014-US-PRO	PRODUCTION OF ADIPONITRILE	29 Jan 2020	62/967053	
INT-2019-PAT-0025-US-PRO	IMPURITY FORMATION REDUCTION DURING PRODUCT REFINING	31 Jan 2020	62/968169	
INT-2019-PAT-0026-US-PRO	FLEXIBLE POLYAMIDE CONDUIT [TUBE]	24 Oct 2019	62/925524	
INT-2019-PAT-0026-US-PRO[4]	POLYAMIDE COMPOSITIONS AND ARTICLES MADE THEREFROM	28 Aug 2020	63/071728	
INT-2019-PAT-0026-US-PRO[2]	POLYAMIDE COMPOSITIONS AND PARTS MADE THEREFROM	22 Apr 2020	63/013884	
INT-2019-PAT-0026-US-PRO[3]	POLYAMIDE COMPOSITIONS AND ARTICLES MADE THEREFROM	28 Aug 2020	63/071715	
INT-2020-PAT-0001-US-PRO	PRODUCTION OF ADIPONITRILE	03 Mar 2020	62/984786	
INT-2020-PAT-0003-US-PRO	PRODUCTION OF ADIPONITRILE	31 Jul 2020	63/059518	

Case Ref.	Title	Date Filed	App. No.	Grant No.
INT-2020-PAT-0003-US-PRO[2]	PRODUCTION OF ADIPONITRILE	07 Aug 2020	63/062763	
INT-2020-PAT-0004-US-PRO	THERMOPLASTIC RESINS FOR NETWORK APPLICATIONS	13 Mar 2020	62/989105	
INT-2020-PAT-0013-US-PRO	HMD Recovery from Dilute Aqueous Solutions	04 Sep 2020	63/074473	
PI0820-US-NP	PROCESS FOR PREPARING ALDEHYDE COMPOUNDS	29 Aug 2002	10/230465	6664427
PI1100-US-NP	PROCESS FOR MAKING 3-HYDROXYALKENENITRILES AND CONVERSION OF THE 3-HYDROXYALKANENITRILE TO A HYDROXYAMINOALKANE	27 Jul 2001	09/916604	6384263
PI1200-US-NP	AZETROPIC DISTILLATION OF PROMOTER SOLUTION	31 Aug 2000	09/651943	6461481
PI1225-US-NP	PROCESS FOR CONVERTING CYCLODODECANE-1,2-DIONE TO CYCLODODECANONE	08 Aug 2000	09/633941	6245946
PI1230-US-CIP	OZONE TREATMENT OF ADIPONITRILE	20 Apr 2001	09/839808	6331651
PI1245-US-DIV	PHOSPHORUS-CONTAINING COMPOSITIONS AND THEIR USE IN HYDROCYANATION, ISOMERIZATION AND HYDROFORMYLATION REACTIONS	10 Sep 2003	10/659205	6924345
PI1245-US-NP	PHOSPHORUS-CONTAINING COMPOSITIONS AND THEIR USE IN HYDROCYANATION, ISOMERIZATION AND HYDROFORMYLATION REACTIONS	26 Nov 2001	09/994135	6660876
PI1265-US-DIV	PROCESS FOR PREPARING 3,3 <sub>i</sub> ,6,6 <sub>i</sub> -TETRAALKYL-2,2 <sub>i</sub> -BIPHENOLS AND 3,3 <sub>i</sub> ,6,6 <sub>i</sub> -TETRAALKYL-5,5 <sub>i</sub> -DIHALO-2,2 <sub>i</sub> -BIPHENOLS	05 Sep 2002	10/235413	6555718
PI1265-US-NP	PROCESS FOR PREPARING 3,3 <sub>i</sub> ,6,6 <sub>i</sub> -TETRAALKYL-2,2 <sub>i</sub> -BIPHENOLS AND 3,3 <sub>i</sub> ,6,6 <sub>i</sub> -TETRAALKYL-5,5 <sub>i</sub> -DIHALO-2,2 <sub>i</sub> -BIPHENOLS	26 Nov 2001	09/994098	6489517

Case Ref.	Title	Date Filed	App. No.	Grant No.
PI1280-US-NP	ENVIRONMENTALLY FRIENDLY PROCESS FOR THE HYDROGENATION OF DINITRILES	31 May 2001	09/871102	6376714
PI1285-US-NP	ORGANOBORON WASTE STREAM TREATMENT USING HYDROGEN PEROXIDE	07 May 2001	09/850549	6372147
PI1300-US-NP	ONE STEP PROCESS FOR PRODUCING DICARBOXYLIC ACIDS	10 Sep 2001	09/949567	6426432
PI1305-US-NP	CONTINUOUS OZONOLYSIS OF CYCLOALKENES INTO OZONIDES	24 Sep 2001	09/961427	6423853
PI1315-US-NP	PHOSPHONITE LIGANDS AND THEIR USE IN HYDROCYANATION	07 Mar 2002	10/093655	6660877
PI1315-US-DIV-[2]	PHOSPHONITE LIGANDS AND THEIR USE IN HYDROCYANATION	04 Jun 2003	10/454024	6846945
PI1315-US-DIV	PHOSPHONITE LIGANDS AND THEIR USE IN HYDROCYANATION	04 Jun 2003	10/454074	6737539
PI1365-US-NP	PROCESS FOR THE PREPARATION OF NICKEL/PHOSPHOROUS LIGAND CATALYST FOR OLEFIN HYDROCYANATION	14 Jan 2003	10/341860	6897329
PI1370-US-NP	PROCESS FOR THE PREPARATION OF A NICKEL/PHOSPHOROUS LIGAND CATALYST	08 Apr 2003	10/409482	6844289
PI1470-US-NP	HIGHLY SELECTIVE PROCESS FOR PRODUCING ORGANODIPHOSPHITES	15 Apr 2010	12/760814	8609901
PI1471-US-NP	HIGHLY SELECTIVE PROCESS FOR PRODUCING ORGANODIPHOSPHITES	15 Apr 2010	12/760888	8772549
PI1535-US-NP	HYDROCYANATION OF 2-PENTENENITRILE	12 Jul 2007	11/776904	7919646
PI1535-US-DIV	HYDROCYANATION OF 2-PENTENENITRILE	07 Feb 2011	13/022208	8394981
PI1710-US-NP	PROCESS FOR MAKING 3-PENTENENITRILE BY HYDROCYANATION OF BUTADIENE	12 Jul 2007	11/776922	7709673
PI1711-US-NP	PROCESS FOR MAKING 3-PENTENENITRILE BY	12 Jul 2007	11/776932	7880028

Case Ref.	Title	Date Filed	App. No.	Grant No.
	HYDROCYANATION OF BUTADIENE			
PI1715-US-NP	HYDROCYANATION PROCESS WITH REDUCED YIELD LOSSES	12 Jul 2007	11/776954	7659422
PI1716-US-NP	HYDROCYANATION PROCESS WITH REDUCED YIELD LOSSES	12 Jul 2007	11/776968	7709674
PI1785-US-NP	PROCESS FOR MAKING 2-SECONDARY-ALKYL-4,5-DI-(NORMAL-ALKYL)PHENOLS	12 Oct 2009	12/577258	8247621
PI1950-US-NP	PROCESS FOR IMPROVING ADIPONITRILE QUALITY	12 Jun 2008	12/137925	8101790
PI2075-US-NP	METHOD OF IMPROVING FLOWABILITY OF ADIPIC ACID	31 Jul 2008	12/183685	8066911
PI2165-US-NP	PROCESS FOR MAKING AND REFINING 3-PENTENENITRILE, AND FOR REFINING 2-METHYL-3-BUTENENITRILE	14 Jan 2009	12/353410	7977502
PI2195-US-NP	HYDROCYANATION OF PENTENENITRILES	14 Jan 2009	12/353584	8088943
PI2365-US-DIV	PROCESS OF SYNTHESIS OF COMPOUNDS HAVING NITRILE FUNCTIONS FROM ETHYLENICALLY UNSATURATED COMPOUNDS	27 Jun 2006	11/475210	7470805
PI2365-US-NP	PROCESS OF SYNTHESIS OF COMPOUNDS HAVING NITRILE FUNCTIONS FROM ETHYLENICALLY UNSATURATED COMPOUNDS	30 Jan 2003	10/353912	7084293
PI2370-US-PCT	METHOD OF PRODUCING DINITRILE COMPOUNDS	27 Apr 2006	10/544953	8373001
PI2375-US-NP	PROCESS FOR THE PREPARATION OF DINITRILES	12 Feb 2007	10/556629	7897801
PI2380-US-PCT	PROCESS FOR THE HYDROCYANATION OF UNSATURATED COMPOUNDS	21 Sep 2006	10/556628	7612223
PI2425-US-NP	IMPROVED NYLON RESINS AND PROCESS	06 Aug 2010	12/852013	8501900



Case Ref.	Title	Date Filed	App. No.	Grant No.
PI2440-US-NP	PREPARING A NICKEL PHOSPHOROUS LIGAND COMPLEX	15 Dec 2010	12/968341	9371343
PI2440-US-PCT	PREPARING A NICKEL PHOSPHOROUS LIGAND COMPLEX	10 May 2013	13/821162	9371346
PI2450-US-NP	EMULSION COMPOSITIONS AND A METHOD FOR SELECTING SURFACTANTS	09 Dec 2010	12/963943	8372794
PI2495-US-PCT	PROCESS FOR MAKING ADIPONITRILE	28 Jan 2013	13/808674	9045391
PI2500-US-PCT	PROCESS FOR MAKING NITRILES	28 Jan 2013	13/808680	9040733
PI2505-US-PCT	PROCESS FOR MAKING NITRILES	28 Jan 2013	13/808689	9133107
PI2510-US-PCT	PROCESS FOR MAKING NITRILES	28 Jan 2013	13/808693	9051241
PI2515-US-PCT	PROCESS FOR MAKING NITRILES	28 Jan 2013	13/808711	9133108
PI2515-US-PCT-[2]	PROCESS FOR MAKING NITRILES	31 Jan 2013	13/808723	9051242
PI2520-US-PCT	PROCESS FOR MAKING NITRILES	31 Jan 2013	13/808760	9040734
PI2530-US-PCT	PROCESS FOR MAKING NITRILES	28 Jan 2013	13/808771	9169197
PI2535-US-PCT	PROCESS FOR MAKING NITRILES	28 Jan 2013	13/808795	8937198
PI2700-US-NP	NICKEL COMPOSITIONS FOR PREPARING NICKEL METAL AND NICKEL COMPLEXES	15 Dec 2010	12/968373	8815186
PI2700-US-PCT	NICKEL COMPOSITIONS FOR PREPARING NICKEL METAL AND NICKEL COMPLEXES	08 Aug 2013	13/821174	9024049
PI2705-US-PCT	PROCESS FOR MAKING NITRILES	24 Mar 2014	14/346882	9040735
PI2765-US-CON	BIOCONVERSION PROCESS FOR PRODUCING NYLON-7, NYLON-7,7 AND POLYESTERS	20 Mar 2017	15/462975	10577634
PI2765-US-NP	BIOCONVERSION PROCESS FOR PRODUCING NYLON-7, NYLON-7, 7 AND POLYESTERS.	29 Jun 2012	14/130117	9650653
PI2765-US-PCT[2]	BIOCONVERSION PROCESS FOR PRODUCING NYLON-7, NYLON-7,7 AND POLYESTERS	21 Dec 2012	14/367484	10689673

Case Ref.	Title	Date Filed	App. No.	Grant No.
PI2775-US-NP	CALCINATION AND REDUCTION PROCESS INCLUDING A FLUIDIZING BED REACTOR	06 Jun 2012	13/490116	8969606
PI2780-US-CIP	METHODS OF PRODUCING CARBOXYLIC ACIDS	15 Jun 2012	13/715826	9783833
PI2780-US-NP	METHODS OF PRODUCING CARBOXYLIC ACIDS	15 Jun 2012	13/525034	9334508
PI2785-US-NP	METHODS OF MAKING NYLON INTERMEDIATES FROM GLYCEROL	15 Jun 2012	13/524883	8852899
PI2790-US-CIP	METHODS FOR BIOSYNTHESIZING 1,3-BUTADIENE	30 Nov 2012	13/691623	9422578
PI2790-US-NP	METHODS FOR BIOSYNTHESIZING 1,3-BUTADIENE	15 Jun 2012	13/524973	9663801
PI2790-US-CIP-[2]	METHODS FOR BIOSYNTHESIZING 1,3-BUTADIENE	12 Jun 2013	13/916156	9422580
PI2840-US-DIV	NICKEL FORM FOR PREPARATION OF CATALYTIC NICKEL-LIGAND COMPLEXES	26 Mar 2015	14/669121	9687836
PI2840-US-NP	NICKEL FORM FOR PREPARATION OF CATALYTIC NICKEL-LIGAND COMPLEXES	06 Jun 2012	13/490177	9050591
PI2845-US-CIP	EXTRACTION SOLVENT CONTROL FOR REDUCING STABLE EMULSIONS	19 Jun 2014	14/962095	9676800
PI2845-US-PCT	EXTRACTION SOLVENT CONTROL FOR REDUCING STABLE EMULSIONS	20 Nov 2012	14/367149	9011691
PI2850-US-PCT	EXTRACTION SOLVENT CONTROL FOR REDUCING STABLE EMULSIONS	19 Jun 2014	14/367156	9388204
PI2855-US-DIV-[2]	METHODS OF PRODUCING 6-CARBON CHEMICALS VIA COA-DEPENDENT CARBON CHAIN ELONGATION ASSOCIATED WITH CARBON STORAGE	23 Mar 2015	14/666085	10174330
PI2855-US-DIV	METHODS OF PRODUCING 6-CARBON CHEMICALS VIA COA-DEPENDENT CARBON CHAIN ELONGATION ASSOCIATED WITH CARBON STORAGE	23 Mar 2015	14/666055	9758768

Case Ref.	Title	Date Filed	App. No.	Grant No.
PI2855-US-NP	METHODS OF PRODUCING 6-CARBON CHEMICALS VIA COA-DEPENDENT CARBON CHAIN ELONGATION ASSOCIATED WITH CARBON STORAGE	14 Dec 2012	13/715981	9102958
PI2855-US-CON[2]	METHODS OF PRODUCING 6-CARBON CHEMICALS VIA COA-DEPENDENT CARBON CHAIN ELONGATION ASSOCIATED WITH CARBON STORAGE	26 Nov 2018	16/199704	10533180
PI2855-US-CIP	METHODS OF PRODUCING 6-CARBON CHEMICALS VIA COA-DEPENDENT CARBON CHAIN ELONGATION ASSOCIATED WITH CARBON STORAGE	13 Dec 2013	14/106124	9102960
PI2860-US-PCT	METHODS FOR PRODUCING ORGANODIPHOSPHITES FROM PHOSPHOROCHLORIDITES CHARACTERIZED BY MEASURING SIDE-PRODUCT LEVELS TO DETERMINE FURTHER ADDITIONS	24 Apr 2014	14/354110	9221852
PI2870-US-PCT	HYDROLYSIS CATALYST AND PROCESS	26 Nov 2014	14/404030	10087201
PI2875-US-PCT	STABLE LIGAND MIXTURES AND PROCESSES FOR MAKING THE SAME	26 Nov 2014	14/404068	9834505
PI2905-US-PCT	EXTRACTION SOLVENT CONTROL FOR REDUCING STABLE EMULSIONS	19 Jun 2014	14/367159	9133226
PI2930-US-PCT	EXTRACTION SOLVENT CONTROL FOR REDUCING STABLE EMULSIONS	19 Jun 2014	14/367167	9133223
PI2990-US-NP	IMPROVEMENT IN METAL-LIGAND CATALYST FORMATION	06 Jun 2012	13/490207	9981257
PI3010-US-PCT	PROCESS FOR STABILIZING HYDROCYANATION CATALYST	26 Nov 2014	14/404037	9296768
PI3170-US-PCT	SEPARATING A SOLVENT FROM A NICKEL CATALYST BY DISTILLATION	16 Jul 2014	14/904726	10759741

Case Ref.	Title	Date Filed	App. No.	Grant No.
PI3180-US-PCT	PENTENENITRILE ISOMERIZATION	04 Jun 2015	14/649634	9586892
PI3205-US-PCT	PENTENENITRILE ISOMERIZATION	04 Jun 2015	14/649644	9440912
PI3215-US-PCT	COMPOSITION FOR IMPROVED NICKEL-LIGAND SOLUBILITY	04 Jun 2015	14/649648	9687835
PI3220-US-PCT	IMPROVED PROCESS FOR PRODUCING PENTENENITRILES	04 Jun 2015	14/649593	9932298
PI3800-US-PCT	HETEROGENEOUS HYDROCYANATION	18 Dec 2014	15/102792	9834506
PI3805-US-PCT	CONTINUOUS POLYAMIDATION PROCESS - I	20 Nov 2014	15/037633	9944753
PI3825-US-PCT	CONTINUOUS POLYAMIDATION PROCESS - II	20 Nov 2014	15/037635	9834643
PI3885-US-PCT	NICKEL HAVING HIGH LIGAND-COMPLEXATION ACTIVITY AND METHODS FOR MAKING THE SAME	11 Nov 2015	15/525627	10143999
PI3925-US-PCT	NICKEL METAL PARTICLE PRODUCTION	01 Jul 2015	15/321369	10537885
PI3990-US-PCT	ENHANCED EXTRACTION OF IMPURITIES FROM MIXTURE COMPRISING NITRILES	25 Jun 2015	15/320898	9914700
PI3995-US-PCT	INTEGRATED PROCESS FOR NITRILE MANUFACTURE WITH ENHANCED LIQUID-LIQUID EXTRACTION	25 Jun 2015	15/320904	10035756
PI4142-US-PCT	HIGH PURITY HCN FROM ACRYLONITRILE CO-PRODUCTION	22 Jul 2016	15/745166	10647663
PI4200-US-PCT	POLYAMIDE COPOLYMER AND METHOD OF MAKING THE SAME	06 Mar 2017	16/077309	
PI4205-US-PCT	INHIBITING CPI FORMATION FROM ADIPONITRILE	31 Aug 2016	15/755235	10640459
PI4210-US-PCT	PROCESS FOR SUPPRESSING FOAM FORMATION IN THE MANUFACTURE OF HYDROPHILIC POLYAMIDES	30 Dec 2016	16/066435	

Case Ref.	Title	Date Filed	App. No.	Grant No.
PI4212-US-PCT	IMPROVED POLYMER PREPARATION	11 Nov 2016	15/780373	
PI4213-US-PCT	RESINS FOR IMPROVED FLOW IN INJECTION MOLDING	13 Apr 2017	16/094961	
PI4216-US-PCT	PROCESS FOR REDUCING CPI IN A DINITRILE STREAM	27 Apr 2017	16/095793	
PI4223-US-PCT	HETEROGENEOUS CATALYST PROCESS AND NICKEL CATALYST	12 Oct 2018	16/093211	
PI4238-US-PCT	GLASS FIBER-FILLED POLYAMIDE	18 Dec 2017	16/467769	
PI4245-US-PCT	MONOMERIC BALANCE CONTROL IN THE PREPARATION OF PRECURSORS FOR POLYAMIDATION PROCESSES	12 Apr 2018	16/490084	
PI4261-US-PCT	SOLIDS TRANS-LOADING	08 Feb 2019	16/968514	
PI4265-US-NP	FLAME-RETARDANT POLYAMIDE COMPOSITION	16 Apr 2019	16/384972	
R03108-US-PCT	METHOD OF PRODUCING AND SEPARATING DINITRILE COMPOUNDS	23 Jul 2004	10/565483	7501045
R08004-US-PCT	PRODUCTION OF COMPOUNDS COMPRISING NITRILE FUNCTIONAL GROUPS	29 Sep 2010	12/864101	9061970
R09008-US-PCT	ORGANOPHOSPHORUS COMPOUNDS, CATALYTIC SYSTEMS INCLUDING SAID COMPOUNDS AND HYDROCYANATION OR HYDROFORMYLATION METHOD USING SAID CATALYTIC SYSTEMS	18 Oct 2011	13/256387	9012661
RD8010-US-NP	PROCESS FOR MAKING NYLON 6,6	01 Jun 2001	09/872352	6472501
RD8095-US-NP	CONTROL VALVE FOR EXTREME TEMPERATURES AND PRESSURES	27 Nov 2000	09/722965	6405996
RX0833-US-NP	PRODUCTION OF AROMATIC PHOSPHITES	22 Feb 2002	10/081832	6586614
SG0004-US-NP	METHODS OF PRODUCING 6-CARBON CHEMICALS USING 2,6-DIAMINOPIMELATE AS	15 May 2015	14/714164	9745607

Case Ref.	Title	Date Filed	App. No.	Grant No.
	PRECURSOR TO 2-AMINOPIMELATE			
SG0005-US-CON	METHODS FOR BIOSYNTHESIS OF ISOPRENE	09 Nov 2017	15/808409	10538789
SG0005-US-NP	METHODS FOR BIOSYNTHESIS OF ISOPRENE	05 Aug 2014	14/452201	9862973
SG0008-US-PCT[2]	METHODS FOR BIOSYNTHESIS OF ISOBUTENE	05 Aug 2014	14/914741	10533193
SG0008-US-NP	METHODS FOR BIOSYNTHESIS OF ISOBUTENE	27 Nov 2013	14/092115	9777295
SG0009-US-NP	METHODS OF PRODUCING 7-CARBON CHEMICALS VIA COA-DEPENDENT CARBON CHAIN ELONGATION ASSOCIATED WITH CARBON STORAGE	13 Dec 2013	14/106033	9790525
SG0011-US-NP	METHODS OF PRODUCING 6-CARBON CHEMICALS VIA METHYL-ESTER SHIELDED FATTY ACID SYNTHESIS	23 Dec 2013	14/139225	9580733
SG0013-US-NP	METHODS FOR BIOSYNTHESIZING 1,3 BUTADIENE	17 Jul 2014	14/334190	10,294,496
SG0019-US-PCT	METHODS FOR BIOSYNTHESIZING 3-OXOPENT-4-ENOYL-CoA	29 Jul 2014	14/908659	10,273,518
SG0021-US-NP	METHODS FOR BIOSYNTHESIZING HEPT-2-ENEDIOYL-COA METHYL ESTER	16 Jun 2015	14/740554	9896702
SG0022-US-NP	METHODS FOR BIOSYNTHESIZING 2,4-PENTADIENOYL-COA OR PRECURSORS THEREOF	16 Jun 2015	14/741414	9938543
SG0023-US-NP	METHODS, REAGENTS AND CELLS FOR BIOSYNTHESIZING COMPOUNDS	16 Jun 2015	14/741194	9738914
SG0024-US-NP	METHODS AND MATERIALS FOR PRODUCING 6-HYDROXYHEXANOATE METHYL ESTER AND HEXANOIC ACID HEXYL ESTER	16 Jun 2015	14/741228	9816117

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SG0026-US-NP	METHODS AND MATERIALS FOR PRODUCING FIVE CARBON BUILDING BLOCKS	16 Jun 2015	14/741259	9777302
SG0028-US-NP	METHODS AND MATERIALS FOR PRODUCING FIVE CARBON BUILDING BLOCKS FROM 2-OXO-GLUTARATE	16 Jun 2015	14/741342	9957535
SG0029-US-NP	METHODS AND MATERIALS FOR PRODUCING FIVE CARBON BUILDING BLOCKS FROM GLUTARATE METHYL ESTER	16 Jun 2015	14/741392	9920339
SG0030-US-NP	METHODS FOR BIOSYNTHESIZING 2,4-PENTADIENOYL-COA OR PRECURSORS THEREOF	16 Jun 2015	14/740749	9988654
SG0031-US-NP	PURIFICATION OF LONG CHAIN DIACIDS	01 Sep 2015	14/842696	10071947
SG0032-US-DIV	METHODS AND MATERIALS FOR THE PRODUCTION OF MONOMERS FOR NYLON-4/POLYESTER PRODUCTION	09 Aug 2018	16/100119	10377899
SG0032-US-NP	PRODUCTION OF MONOMERS FOR NYLON-4/POLYESTER PRODUCTION	21 Dec 2015	14/976966	10,072,150
SG0036-US-NP	BIOSYNTHESIS OF 1,3-BUTANEDIOL	13 Nov 2015	14/941405	10,214,752
SG0038-US-NP	METHODS OF PRODUCING 7-CARBON CHEMICALS VIA AROMATIC COMPOUNDS	23 Dec 2013	14/138827	9617572
SG0039-US-NP	METHODS FOR PRODUCING 7-CARBON CHEMICALS VIA CARBON CHAIN ELONGATION ASSOCIATED WITH CYCLOHEXANE CARBOXYLATE SYNTHESIS	23 Dec 2013	14/138904	9637764
SG0040-US-NP	METHODS OF PRODUCING 7-CARBON CHEMICALS VIA C1 CARBON CHAIN ELONGATION ASSOCIATED WITH COENZYME B SYNTHESIS	23 Dec 2013	14/138971	9580731
SG0041-US-NP	METHODS OF PRODUCING 7-CARBON CHEMICALS VIA PYRUVATE AND	23 Dec 2013	14/138992	9738911

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	SUCCINATE SEMIALDEHYDE ALDOL CONDENSATION			
SG0042-US-NP	METHODS OF PRODUCING 7-CARBON CHEMICALS FROM LONG CHAIN FATTY ACIDS VIA OXIDATIVE CLEAVAGE	23 Dec 2013	14/139142	9920336
SG0043-US-NP	METHODS OF PRODUCING 7-CARBON CHEMICALS VIA METHYL-ESTER SHIELDED CARBON CHAIN ELONGATION	23 Dec 2013	14/139072	10196657
SG0045-US-CON	MUTANT POLYPEPTIDES AND USES THEREOF	12 May 2017	15/593395	10,214,736
SG0045-US-DIV	NOVEL POLYPEPTIDES AND USES THEREOF	24 Aug 2015	14/833206	9683227
SG0045-US-NP	NOVEL POLYPEPTIDES AND USES THEREOF	16 Jul 2015	14/800961	9220742
SG0045-US-NP[2]	MUTANT POLYPEPTIDES AND USES THEREOF	29 Feb 2016	15/056026	10519433
SG0046-US-NP	Materials and Methods for Producing 6-Carbon Monomers	21 Dec 2015	14/977,004	10233474
SG0052-US-NP	METHODS FOR PRODUCING ALKENES FROM 3-HYDROXY ACID AND SECONDARY ALCOHOL PRECURSORS SYNTHESIZED IN FERMENTATION	08 Apr 2016	15/094923	9969658
SG0053-US-PCT	MATERIALS AND METHODS FOR THE SELECTIVE RECOVERY OF MULTIVALENT PRODUCTS	08 Apr 2016	15/564882	10576467
SG0053-US-NP	METHODS FOR THE SELECTIVE RECOVERY OF MULTIVALENT PRODUCTS FROM AQUEOUS SOLUTIONS USING CONTINUOUS ION EXCHANGE	08 Apr 2016	15/094930	9878321
SG0053-US-DIV	MATERIALS AND METHODS FOR THE SELECTIVE RECOVERY OF MULTIVALENT PRODUCTS	19 Dec 2017	15/847854	
SG0055-US-CON	MATERIALS AND METHODS FOR THE SELECTIVE RECOVERY OF MONOVALENT PRODUCTS	19 Apr 2017	15/491018	



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	FROM AQUEOUS SOLUTIONS USING CONTINUOUS ION EXCHANGE			
SG0056-US-PCT	Process for Separation of Diamines and/or Omega-Aminoacids from a Feed Mixture	08 Apr 2016	15/564895	10,343,084
SG0056-US-NP	PROCESS FOR SEPARATION OF DIAMINES AND/OR OMEGA-AMINOACIDS FROM A FEED FIXTURE	08 Apr 2016	15/094,770	10265642
SG0059-US-CON[2]	Methods and Materials for Producing 7-Carbon Monomers	10 Sep 2019	16/565968	
SG0060-US-CON[2]	Methods and Materials for Producing 7-Carbon Monomers	18 Oct 2019	16/656816	
SG0065-US-NP	METHODS, HOSTS, AND REAGENTS RELATED THERETO FOR PRODUCTION OF UNSATURATED PENTAHYDROCARBONS, DERIVATIVES AND INTERMEDIATES THEREOF	16 Aug 2016	15/238225	
SG0066-US-NP	POLYPEPTIDES FOR CARBON-CARBON BOND FORMATION AND USES THEREOF	11 Nov 2016	15/349303	10570379
SG0101-US-NP	METHODS, CELLS AND REAGENTS FOR PRODUCTION OF ISOPRENE, DERIVATIVES AND INTERMEDIATES THEREOF	16 Aug 2016	15/238,234	10167487
SG0102-US-NP	POLYPEPTIDES AND VARIANTS HAVING IMPROVED ACTIVITY, MATERIALS AND PROCESSES RELATING THERETO	16 Mar 2017	15/460414	10538746
SG0103-US-CON[2]	METHODS AND MATERIALS FOR PRODUCING 5 AND 7-CARBON MONOMERS	14 Nov 2019	16/683570	
SG0116-US-CON[3]	METHODS AND MATERIALS FOR PRODUCING 7-CARBON MONOMERS	14 Nov 2019	16/683580	

Case Ref.	Title	Date Filed	App. No.	Grant No.
SG0121-US-PCT	BIOCATALYTIC PROCESSES AND MATERIALS FOR ENHANCED CARBON UTILIZATION	17 Feb 2017	15/998622	
SG0121-US-NP	BIOCATALYTIC PROCESSES AND MATERIALS FOR ENHANCED CARBON UTILIZATION	17 Feb 2017	15/436315	
SG0133-US-NP	METHODS AND MATERIALS FOR BIOSYNTHESIZING MULTIFUNCTIONAL, MULTIVARIATE MOLECULES VIA CARBON CHAIN MODIFICATION	25 Jul 2017	15/659505	
SG0134-US-NP	MATERIALS AND METHODS UTILIZING BIOTIN PRODUCING MUTANT HOSTS FOR THE PRODUCTION OF 7-CARBON CHEMICALS	25 Jul 2017	15/658958	
SG0135-US-NP	Materials and Methods for Directing Carbon Flux and Increased Production of 7-Aminoheptanoic Acid or 6-Aminohexanoic Acid	21 Jul 2017	15/656482	
SG0136-US-CON	MATERIALS AND METHODS FOR THE BIOSYNTHESIS OF SEVEN CARBON CHEMICALS IN THE PRESENCE OF METHANOL OXIDATION	07 Aug 2020	16/947598	
SG0141-US-NP	METHODS, SYNTHETIC HOSTS AND REAGENTS FOR THE BIOSYNTHESIS OF DIENES AND DERIVATIVES THEREOF	27 Sep 2017	15/717065	10538788
SG0143-US-NP	ENHANCED PROCESSES AND REAGENTS FOR HOST ENGINEERING	27 Sep 2017	15/717216	
SG0148-US-NP	METHODS, SYNTHETIC HOSTS AND REAGENTS FOR THE BIOSYNTHESIS OF HYDROCARBONS	29 Jun 2018	16/023055	
SG0150-US-NP	METHODS, MATERIALS, SYNTHETIC HOSTS AND REAGENTS FOR THE BIOSYNTHESIS OF	29 Jun 2018	16/022878	

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	HYDROCARBONS AND DERIVATIVES THEREOF			
SG0154-US-NP	Organisms and Biosynthetic Processes for Hydrocarbon Synthesis	27 Sep 2018	16/144035	
SG0157-US-NP	NUTRITIVE COMPOSITIONS AND METHODS RELATED THERETO	31 Oct 2018	16/176389	
SG0160-US-NP	METHODS AND MATERIALS FOR THE BIOSYNTHESIS OF HYDROXY FATTY ACID ANIONS AND/OR DERIVATIVES THEREOF AND/OR COMPOUNDS RELATED THERETO	01 Feb 2019	16/264739	
SG0165-US-NP	METHODS AND MATERIALS FOR THE BIOSYNTHESIS OF COMPOUNDS INVOLVED IN THE TRICARBOXYLIC ACID CYCLE AND DERIVATIVES AND COMPOUNDS RELATED THERETO	01 Feb 2019	16/264781	
SG0178-US-NP	MATERIALS AND METHODS FOR BIOSYNTHETIC MANUFACTURE AND UTILIZATION OF SYNTHETIC POLYPEPTIDES, AND PRODUCTS THEREFROM	01 Apr 2019	16/372072	
SG0179-US-NP	MATERIALS AND METHODS FOR BIOSYNTHETIC MANUFACTURE OF CARBON-BASED CHEMICALS	01 Apr 2019	16/372083	
SG0180-US-NP	MATERIALS AND METHODS FOR MANAGING AEROBIC GAS FERMENTATION	01 Apr 2019	16/372,092	
SG0183-US-NP	METHODS FOR CONTROLLING OXYGEN CONCENTRATION DURING AEROBIC BIOSYNTHESIS	01 Apr 2019	16/372,099	

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SG0184-US-NP	HIGH HYDROGEN UTILIZATION AND GAS RECYCLE	01 Apr 2019	16/372,106	
SG0201-US-NP	Materials and Methods for Controlling Oxidation and Reduction in Biosynthetic Pathways of Species of the Genera Ralstonia and Cupriavidus and Organisms Related Thereto	30 Apr 2019	16/398351	
SG0202-US-NP	MATERIALS AND METHODS FOR DIFFERENTIAL BIOSYNTHESIS IN SPECIES OF THE GENERA RALSTONIA AND CUPRIAVIDUS AND ORGANISMS RELATED THERETO	30 Apr 2019	16/398365	
SG0203-US-NP	Materials and Methods for Controlling Regulation in Biosynthesis in Species of the Genera Ralstonia or Cupriavidus and Organisms Related Thereto	30 Apr 2019	16/398384	
SG0204B-US-NP	MATERIALS AND METHODS FOR CONTROLLING PHA BIOSYNTHESIS IN PHA-GENERATING SPECIES OF THE GENERA RALSTONIA OR CUPRIAVIDUS AND ORGANISMS RELATED THERETO	30 Apr 2019	16/399155	
SG0204A-US-NP	MATERIALS AND METHODS FOR CONTROLLING LIMITATION CONDITIONS IN PRODUCT BIOSYNTHESIS FOR NON-PHB GENERATING SPECIES OF THE GENERA RALSTONIA OR CUPRIAVIDUS AND ORGANISMS RELATED THERETO	30 Apr 2019	16/399145	
SG0205-US-NP	MATERIALS AND METHODS FOR MAXIMIZING BIOSYNTHESIS THROUGH	30 Apr 2019	16/398401	

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	ALTERATION OF PYRUVATE-ACETYL-COA-TCA BALANCE IN SPECIES OF THE GENERA RALSTONIA AND CUPRIAVIDUS AND ORGANISMS RELATED THERETO			
SG0208-US-NP	MATERIALS AND METHODS FOR THE SYNTHESIS OF CARBON PRODUCTS FROM NON-BIOSYNTHETIC PROCESSES AND STREAMS	14 Jun 2019	16/441511	
SG0211-US-NP	SYSTEMS AND METHODS FOR RECOVERING AMINES AND THEIR DERIVATIVES FROM AQUEOUS MIXTURES	17 Sep 2019	16/572899	
SGI-2018-PAT-0228-US-NP	BIOSYNTHETIC ORGANISMS WITH ENHANCED CARBON UTILIZATION	15 Nov 2019	16/685290	
CH2769-US-NP	NARROWING OF POLY (TETRAMETHYLENE) GLYCOL	17 Oct 2000	09/690650	6355846
CH2872-US-NP	CATALYST REGENERATION BY TREATMENT WITH AN OXIDIZING AGENT	18 Jul 2002	10/198424	6566539
CL1827-US-NP	HYDROGENATION OF 3,4-TETRAHYDROFURANDIOL TO TETRAHYDROFURAN	12 Nov 2002	10/292557	6593481
IPT-2019-PAT-0001-US-PRO[3]	PROCESS FOR PURIFYING TEREPHTHALIC ACID (Utility Model)	22 Nov 2019	62/939000	
IPT-2019-PAT-0001-US-PRO[4]	APPARATUS FOR PURIFYING TEREPHTHALIC ACID (Utility Model)	22 Nov 2019	62/939001	
IPT-2019-PAT-0002-US-PRO[2]	APPARATUS FOR PURIFYING TEREPHTHALIC ACID	02 Mar 2020	62/983775	
IPT-2019-PAT-0002-US-PRO	METHOD FOR PURIFYING TEREPHTHALIC ACID	02 Mar 2020	62/983774	
IPT-2019-PAT-0005-US-PRO	CRYSTALLIZER EJECTOR VAPOR SUPPLY	12 Mar 2020	62/988400	
IPT-2019-PAT-0008-US-PRO	RECOVERY OF METAL CATALYSTS FROM	14 Aug 2020	63/065738	

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	OXIDIZER PURGE STREAMS			
IPT-2020-PAT- 0001-US-PRO	PRODUCTION OF PURIFIED TEREPHTHALIC ACID	31 Jul 2020	63/059196	
IPT-2020-PAT- 0002-US-PRO	A METHOD FOR IMPROVING B* IN A PET POLYMER	05 Jun 2020	63/035171	
IPT-2020-PAT- 0003-US-PRO	METHOD FOR IMPROVING L* IN A PET POLYMER	05 Jun 2020	63/035177	
IPT-2020-PAT- 0004-US-PRO	METHOD FOR MANUFACTURING AN OLIGOMERIC PET SUBSTRATE	05 Jun 2020	63/035179	
IPT-2020-PAT- 0005-US-PRO	METHOD FOR MANUFACTURING AN OLIGOMERIC PET SUBSTRATE	05 Jun 2020	63/035182	
IPT-2020-PAT- 0006-US-PRO	METHOD FOR MANUFACTURING AN OLIGOMERIC PET SUBSTRATE	05 Jun 2020	63/035186	
IPT-2020-PAT- 0007-US-PRO	A METHOD FOR MANUFACTURING AN OLIGOMERIC PET SUBSTRATE FROM PET- CONTAINING WASTE MATERIAL	05 Jun 2020	63/035189	
PI1985-US-NP	IMPROVING MISCIBILITY OF OTHERWISE IMMISCIBLE COMPOUNDS	15 Apr 2009	12/424082	8551192
PI1985-US-DIV	IMPROVING MISCIBILITY OF OTHERWISE IMMISCIBLE COMPOUNDS	05 Sep 2013	14/018472	9175163
PI2020-US-CIP	IMPROVED COPOLYETHER GLYCOL MANUFACTURING PROCESS	28 Sep 2011	13/247794	8609805
PI2415-US-NP	IMPROVED POLYETHER GLYCOL MANUFACTURING PROCESS	19 Aug 2010	12/859321	8450450
PI2630-US-PCT	POLYMER RECOVERY PROCESS IN THE FILTRATION OF POLYETHER POLYOLS	19 Jul 2012	14/233014	9040753
PI3830-US-PCT	COPOLYETHER ESTER POLYOL PROCESS	05 Jan 2015	15/108486	9840580

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PT0034-US-CNT	PRODUCTION OF AROMATIC CARBOXYLIC ACIDS	28 Apr 2004	10/833442	7238833
PT0115-US-SIR	MATERIALS OF CONSTRUCTION FOR A GAS TURBINE	16 Apr 2012	13/447927	H002292
PT0133-US-PCT	PARAXYLENE EXTRACTION OF PURIFICATION MOTHER LIQUOR WITH HEAT INTEGRATION	23 Sep 2015	15/513373	9975839
PT0200-US-CON	PROCESS FOR THE AROMATIZATION OF DILUTE ETHYLENE	06 Mar 2018	15/913503	10351787
PT0200-US-NP	PROCESS FOR THE AROMATIZATION OF DILUTE ETHYLENE	13 Aug 2015	14/825,815	10184089
PT0204-US-NP	METHODS AND MATERIALS FOR IMPROVED CATALYTIC OLIGOMERIZATION	15 Dec 2017	15/843511	10668452
PT0209-US-PCT	Processes for Preparing Hydrocarbon Compositions	14 Dec 2018	16/772806	

**Trademarks:**

Trademark	Classes	Filing Date	Filing Number	Registration Date	Registration Number
DYTEK	01	20 Oct 1986	73/625933	08 Dec 1987	1467830
ADI-PURE	01	31 Oct 1988	73/760663	20 Jun 1989	1544087
RAPTOR	19	22 Jul 2014	86344577	15 Dec 2015	4871540
MADE OF TOUGH	17, 19	29 Aug 2014	86380737	23 Jun 2015	4759011
RAPTOR NYLON PIPE LOGO	17, 19	01 Oct 2014	86411496	14 Apr 2015	4720373
R Logo	17, 19	29 Aug 2014	86977654	22 Dec 2015	4876083
Aminovation Lab	42	07 Nov 2018	88185027	28 May 2019	5763541

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