

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY

CONVEYING PARTY DATA

Name	Execution Date
Wells Fargo Bank, National Association	10/26/2012

RECEIVING PARTY DATA

Name:	American Fine Chemicals LLC
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City:	Rancho Cordova
State/Country:	CALIFORNIA
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PROPERTY NUMBERS Total: 43

Property Type	Number
Patent Number:	5821387
Patent Number:	6011177
Patent Number:	5817778
Patent Number:	5854405
Patent Number:	5807977
Patent Number:	5668251
Patent Number:	5650483
Patent Number:	5703194
Patent Number:	5668250
Patent Number:	5654450
Patent Number:	6037483
Patent Number:	6380351
Patent Number:	6417314
Patent Number:	6448368
Patent Number:	6891013

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Patent Number:	6852887
Patent Number:	7354985
Patent Number:	6605732
Patent Number:	6867311
Patent Number:	7309803
Patent Number:	6548706
Patent Number:	7414144
Patent Number:	7414135
Application Number:	12483918
Patent Number:	7618539
Patent Number:	7807850
Application Number:	61260747
Application Number:	11956515
Application Number:	12173596
Application Number:	12840832
Application Number:	12437711
Application Number:	11750502
Patent Number:	5674951
Patent Number:	6972317
Patent Number:	6927276
Patent Number:	6962966
Patent Number:	6673889
Patent Number:	6727344
Patent Number:	6403760
Patent Number:	6479623
Patent Number:	6825316
Patent Number:	6998460
Application Number:	61369966

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PATENT

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NAME OF SUBMITTER:	Tuan Dinh
Total Attachments: 7 source=Patent Release (#3)#page1.tif source=Patent Release (#3)#page2.tif source=Patent Release (#3)#page3.tif source=Patent Release (#3)#page4.tif source=Patent Release (#3)#page5.tif source=Patent Release (#3)#page6.tif source=Patent Release (#3)#page7.tif	

PATENT RELEASE

THIS PATENT RELEASE is made as of this 26th day of October, 2012, by Wells Fargo Bank, National Association, as agent (in such capacity, the "Agent"), in favor of Ampac Fine Chemicals LLC, a California limited liability company ("Company").

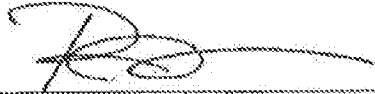
FOR GOOD AND VALUABLE CONSIDERATION, the receipt and adequacy of which are hereby acknowledged, the Agent hereby unconditionally and expressly releases, terminates, and extinguishes, without any representation, recourse or undertaking of any kind, any and all of its right, title and interest in and to any and all liens on and security interests it may have upon the patents listed on Schedule A attached hereto and made a part hereof, which liens and security interests were established under and pursuant to a Patent Security Agreement dated January 31, 2011 executed by Company in favor of Agent recorded with the United States Patent and Trademark Office at reel number 025732 and frame number 0985.

The Agent consents and agrees to execute and deliver, at the request and cost of Company, such further instruments, documents and release forms as Company may reasonably request to more effectively, release, terminate and extinguish any such liens and security interests upon such patents.

This Release shall be binding upon Agent's legal representatives, assigns and successors.

IN WITNESS HEREOF, Agent has caused this Patent Release to be duly executed by its duly authorized officer as of the day and year first above written.

WELLS FARGO BANK, NATIONAL
ASSOCIATION, as Agent



By:

Name:

Rina Shinoda

Its:

Vice President

SCHEDULE A

PATENTS AND PATENT APPLICATIONS

Grantor	Country	Patent	Application/ Patent No.	Issue/Filing Date
Ampac Fine Chemicals LLC	U.S.	Polyarenes from aryl ketones for synthesis of crisanol mesylate	5,821,387	10/13/1998
	U.S.	Process for 4-sulfonamidophenyl hydrazines	6,011,177	1/4/2000
	U.S.	Large scale batch process for diazomethane	5,817,778	10/6/1998
	U.S.	Continuous process for diazomethane From an N-Methyl-N-Nitrosamine and From Methylurea Through N-Methyl-N-Nitrosourea	5,854,405	12/29/1998
	U.S.	Polymers and prepolymers from mono-substituted fluorinated oxetane monomers	5,807,977	9/15/1998
	U.S.	Preparation of mono-substituted fluorinated monomers and tetrahydro- furan	5,668,251	9/16/1997
	U.S.	Preparation of mono-substituted fluorinated oxetane prepolymers	5,650,483	7/22/1997
	U.S.	Fluorinated thermoset polyurethane elastomers prepared from polyether copolymers formed from mono-substituted fluorinated oxetane monomers and tetrahydrofuran	5,703,194	12/30/1997
	U.S.	Polyether copolymers formed from mono-substituted fluorinated oxetane monomers and tetrahydrofuran	5,668,250	9/16/1997
	U.S.	Mono-substituted fluorinated oxetane monomers	5,654,450	8/5/1997
	U.S.	Solvent-free process for the preparation of mono-substituted fluorinated oxetane monomers	6,037,483	3/14/2000
	U.S.	Copolymers And Copolymers Formed From Mono-Substituted Fluorinated Oxetane Monomers And Tetrahydrofuran	6,380,351	4/30/2002
	U.S.	Fluorinated polyurethane elastomers prepared from polyether prepolymers formed from mono-substituted fluorinated oxetane monomers	6,417,314	7/9/2002
	U.S.	Polymers and prepolymers formed from mono-substituted fluorinated oxetane monomers	6,448,368	9/10/2002
	U.S.	Fluorinated polyurethane elastomers prepared from polyether prepolymers formed from mono-substituted fluorinated oxetane monomers and tetrahydrofuran	6,891,013	5/10/2005
U.S.	Preparation of 2S, 3S-N-isobutyl-N-(2-hydroxy-3-amino-4-phenylbutyl)-P-nitrobenzenesulfonamide hydrochloride and other derivatives of 2-hydroxy-1, 3-diamines	6,852,887	2/8/05	

Grantor	Country	Patent	Application/ Patent No.	Issue/Filing Date
	U.S.	Fluorinated thermoplastic polyurethane elastomers prepared from polyether prepolymers formed mono-substituted fluorinated oxetane monomers	7,354,985	4/8/2008
	U.S.	Clean High-Yield Preparation of S,S and R,S Amino Acid Isosteres	6,605,732	8/12/2003
	U.S.	Clean High-Yield Preparation of S,S and R,S Amino Acid Isosteres	6,867,311	3/15/2005
	U.S.	Clean, high yield preparation of S, S and R,S amino acid isosteres	7,309,803	12/18/2007
	U.S.	Preparation of 2S,3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-phenylbutyl)-P-Nitrobenzenesulfonylamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	6,548,706	4/15/2003
	U.S.	Preparation of 2S,3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-Nitrobenzenesulfonylamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	7,414,144	8/19/2008
	U.S.	Process for halomethyl ethers of hydroxyiminomethyl quaternary pyridinium salts	7,414,135	8/19/2008
	U.S.	Preparation of Polymer-Free R-(+)-Alpha-Lipoic Acid	(12/483,918)	(6/12/2009)
	U.S.	Simulated Moving Bed Chromatography for Strongly Retained Compounds	7,618,539 (12/059,651)	11/17/2009 (3/31/2008)
	U.S.	Preparation of 2S,3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-Nitrobenzenesulfonylamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	7,807,850 (12/190,713)	(08/13/2008)
	U.S.	Aldehyde and Ketone Reduction	(provisional, 61/260747)	(11/12/2009)
	U.S.	Clean, high yield preparation of S, S and R,S amino acid isosteres	(11/956,515)	(12/14/2007)
	U.S.	Process for Halomethyl Ethers of Hydroxyiminomethyl Quaternary Pyridinium Salts	(12/173,596)	(7/15/2008)
	U.S.	Reaction Systems With Incorporated Chromatography units for Enhanced Product Recovery	(61/369,966)	(8/2/2010)
	U.S.	Preparation of 2S, 3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-Nitrobenzenesulfonylamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	(12/840,832)	(7/21/2010)
	U.S.	PROCESS FOR THE PREPARATION OF CYANO-SUBSTITUTED-NITROGEN-CONTAINING HETEROARYL COMPOUNDS	(12/437,711)	05/08/09
	U.S.	Preparative-Scale Separation of	(11/750,502)	05/18/07

Grantor	Country	Patent	Application/ Patent No.	Issue/Filing Date
Ampac Fine Chemicals LLC and Ormova Solutions Inc.		Enantiomers of Chiral Carboxylic Acids		
	U.S.	Abrasion-resistant and low friction coating compositions	5,674,951	10/7/1997
	U.S.	Monohydric Polyfluoroacetate Polymer and Radiation Curable Coatings Containing a Monofunctional Polyfluoroacetate Polymer	6,972,317	12/06/2005
	U.S.	Monohydric polyfluoroacetate oligomers, polymers, and copolymers, and coating containing the same	6,927,276	8/9/2005
	U.S.	Monohydric polyfluoroacetate oligomers, polymers, and copolymers, and coating containing the same	6,962,966	11/8/2005
	U.S.	Radiation curable coating containing polyfluoroacetate	6,673,889	1/6/2004
	U.S.	Monohydric polyfluoroacetate polymer and radiation curable coatings containing a monofunctional polyfluoroacetate polymer	6,727,344	8/27/2004
	U.S.	Monohydric polyfluoroacetate polymer and radiation curable coatings containing a monofunctional polyfluoroacetate polymer	6,403,760	6/11/2002
Ampac Fine Chemicals LLC, Ormova Solutions Inc. and United States of America (as represented by Secretary of the Navy)	U.S.	Amorphous polyether glycols based on bis-substituted oxetane monomers	6,479,623	11/12/2002
	U.S.	Amorphous polyether glycols based on bis-substituted oxetane and tetrahydrofuran monomers	6,825,316	11/30/2004
	U.S.	Amorphous Polyether Glycols based on Bis-Substituted Oxetane and Tetrahydrofuran Monomers	6,998,460	02/14/2006
FOREIGN				
Ampac Fine Chemicals LLC	Japan	Mono-substituted fluorinated oxetane monomer	JP3335427	10/15/2002
	Japan	Large scale batch process for diazomethane	JP3017982	3/13/2000
	Japan	Continuous process for diazomethane	JP3294560	6/24/2002
	EU	Improved synthesis of 2S,3S-etc.-nitrobenzenesulfonamide hydrochloride	EP1244610	7/16/08
	EU	Preparation of S,S & R,S Amino Acid Isosteres	EU EP1050532	08/18/2004
	EU	Continuous Process for Diazomethane From an N-Methyl-N-Nitrosamine and From Methyurea Through N-Methyl-N-Nitrosourea Published as: Continuous process for diazomethane	EU EP916648	01/23/2002
	EU	Large scale Batch Process For Diazomethane	EU EP916649	05/19/1990
	EU	Process for Halomethyl Ethers of Hydroxyiminomethyl Quaternary Pyridinium Salts	EU (06253966.3)	(7/28/2006)

Grantor	Country	Patent	Application/ Patent No.	Issue/Filing Date
	EU	Improved Preparation of 2S, 3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-NI-Trobenzenesulfonylamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	EU (EP08160457.1)	(7/15/2008)
	France	Preparation and Polymerization of Perfluoroalkoxy Alkylene Oxides to Prepare Hydrophobic Polyethers	France 2694297	07/07/1995
	France	Clean High-Yield Preparation of S,S and R,S Amino Acid Isoteres	France FR1050532	08/18/2004
	France	Continuous Process for Diazomethane From an N-Methyl-N-Nitrosoamine and From Methylurea Through N-Methyl-N-Nitrosourea	France FR916648	01/23/2002
	France	Large Scale Batch Process for Diazomethane	France FR916649	01/23/2002
	Germany	Clean High-Yield Preparation of S,S and R,S Amino Acids	Germany DE1050532	09/01/2005
	Germany	Continuous Process for Diazomethane From an N-Methyl-N-Nitrosoamine and From Methylurea Through N-Methyl-N-Nitrosourea	Germany DE916648	01/23/2002
	Germany	Large Scale Batch Process for Diazomethane	Germany DE916649	01/23/2002
	Great Britain	Preparation and Polymerization of Perfluoroalkoxy Alkylene Oxides to Prepare Hydrophobic Polyethers	Great Britain 2269816	02/23/1994
	Great Britain	Clean High-Yield Preparation of S,S and R,S Amino Acids	Great Britain GB1050532	08/18/2004
	Great Britain	Continuous Process for Diazomethane From an N-Methyl-N-Nitrosoamine and From Methylurea Through N-Methyl-N-Nitrosourea	Great Britain GB916648	01/23/2002
	Great Britain	Large Scale Batch Process for Diazomethane	Great Britain 916649	01/23/2002
	Switzerland	Clean High-Yield Preparation of S,S and R,S Amino Acids Isoteres	Switzerland CH1050532	08/18/2004
	Switzerland	Continuous Process for Diazomethane From an N-Methyl-N-Nitrosoamine and From Methylurea Through N-Methyl-N-Nitrosourea	Switzerland CH916648	01/23/2002
	Switzerland	Large Scale Batch Process For Diazomethane	Switzerland CH916649	01/23/2002
	Canada	Process for Halomethyl Ethers of Hydroxyiminomethyl Quarternary Pyridinium Salts	2,553,578 (2553578)	9/28/2010 (07/26/2006)
	Canada	Preparation and Polymerization of Perfluoroalkoxy Alkylene Oxides to Prepare Hydrophobic Polyethers	CA2100218	11/27/2007

Grantor	Country	Patent	Application/ Patent No.	Issue/Filing Date
	Canada	Polymers and Prepolymers from Mono-Substituted Fluorinated Oxetane Monomers	CA2,210,204	11/7/2006
	EU	Polymers and Prepolymers From Mono-Substituted Fluorinated Oxetane Monomers	EP0811004	12/6/2006
	Germany	Preparation and Polymerization of Perfluoroalkoxy Alkylene Oxides to Prepare Hydrophobic Polyethers	DE4323307	6/24/1999
	Japan	Polymers and Prepolymers From Mono-Substituted Fluorinated Oxetane Monomers	JP4112511	4/18/2008
	Belgium	Preparation of 2S,3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-Nitrobenzenesulfonamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	BE1244610	7/16/2008
	France	Preparation of 2S,3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-Nitrobenzenesulfonamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	FR1244610	7/16/2008
	Germany	Preparation of 2S,3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-Nitrobenzenesulfonamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	DE1244610	7/16/2008
	Great Britain	Preparation of 2S,3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-Nitrobenzenesulfonamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	GB1244610	7/16/2008
	Ireland	Preparation of 2S,3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-Nitrobenzenesulfonamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	IE1244610	7/16/2008
	Switzerland	Preparation of 2S,3S-N-Isobutyl-N-(2-Hydroxy-3-Amino-4-Phenylbutyl)-P-Nitrobenzenesulfonamide Hydrochloride and Other Derivatives of 2-Hydroxy-1,3-Diamines	CH1244610	7/16/2008
	EU	Simulated Moving Bed Chromatography for Strongly Retained Compounds	(09156363.6)	(7/13/2009)
Co-owned by Omnova and Ampac Fine Chemicals LLC	EU	Monohydric Polyfluorooxetane Oligomers, Polymers, and Copolymers and Coatings Containing the Same	EP1244727	10/02/2002
	EU	Radiation Curable Coating Containing Polyfluorooxetane	EP1189964	10/17/2007
	Canada	Amorphous Polyether Glycols Based on Bis-Substituted Oxetane Monomers	CA2379371	1/15/2002

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