

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3361630

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SURMODICS SMP, INC.	03/29/2013
RECEIVING PARTY DATA		
Name:	EVONIK CORPORATION	
Street Address:	299 JEFFERSON ROAD	
City:	PARSIPPANY	
State/Country:	NEW JERSEY	
Postal Code:	07054	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	12494174
CORRESPONDENCE DATA		
Fax Number:	(404)879-2160	
<i>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.</i>		
Phone:	4048792150	
Email:	yvonne@pabstpatent.com	
Correspondent Name:	PABST PATENT GROUP	
Address Line 1:	1545 PEACHTREE ST	
Address Line 2:	SUITE 320	
Address Line 4:	ATLANTA, GEORGIA 30309	
ATTORNEY DOCKET NUMBER:	TEPH 118	
NAME OF SUBMITTER:	BONNIE LEE	
SIGNATURE:	/ Bonnie Lee /	
DATE SIGNED:	05/20/2015	
Total Attachments: 20		
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ASSIGNMENT

THIS ASSIGNMENT is entered into between SurModics SMP, Inc. ("SurModics SMP", formerly known as SurModics Pharmaceuticals, Inc., and also formerly known as Brookwood Pharmaceuticals, Inc.) a Delaware corporation, having an address at 9924 West 74th Street, Eden Prairie, Minnesota 55344, **SURMODICS, INC.**, a Minnesota corporation, whose principal address is 9924 West 74th Street, Eden Prairie, Minnesota 55344 ("SurModics"), and **EVONIK CORPORATION** ("Evonik", formerly known as Evonik Degussa Corporation), an Alabama corporation, whose principal address is 299 Jefferson Road, Parsippany, New Jersey 07054.

WHEREAS, SurModics, SurModics SMP and Evonik are parties to that certain Asset Purchase Agreement dated November 1, 2011 (the "Asset Purchase Agreement") pursuant to which Evonik acquired certain assets and assumed certain liabilities and obligations of SurModics SMP;

WHEREAS, in connection with the Asset Purchase Agreement, SurModics SMP delivered to Evonik that certain Patent Assignment dated November 1, 2011 (the "Original Patent Assignment") pursuant to which SurModics SMP sold, assigned, transferred, conveyed and delivered all of SurModics SMP's right, title and interest in and to various intellectual property assets and other rights, including the patents and patent applications specifically listed on Annex A thereto, which list has been updated to include certain patents and patent applications that claim priority to any of the inventions, patents and patent applications listed on Annex A to the Original Patent Assignment, and such updated list is attached hereto as Exhibit A;

WHEREAS, SurModics and SurModics SMP signed that certain Assignment dated

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March 14, 2013 (the "Previous Assignment"), which assignment purported to confirm the assignment of all of SurModics' and SurModics SMP's rights in and to the patents and patent applications set forth on Exhibit A;

WHEREAS, SurModics, SurModics SMP and Evonik desire to (a) confirm the assignment by SurModics SMP of any and all of its right, title and interest in and to the patents and patent applications set forth on Exhibit A to Evonik, and (b) assure the assignment by SurModics of any and all of its right, title and interest in and to the patents and patent applications set forth on Exhibit A to Evonik.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, each of SurModics and SurModics SMP do hereby assign, transfer, convey and deliver to Evonik any and all of their right, title, and interest in and to the inventions, patents and patent applications listed on Exhibit A in the United States and anywhere else in the world, including, without limitation, any letters patent which may issue thereon, any subsequent application claiming priority to any of said inventions, patents and patent applications, and any reissues, reexaminations, divisionals, continuations-in-part, extensions or continuations thereof and all rights of priority under the International Convention arising from any of said inventions, patents and patent application. The parties also agree that the Previous Assignment is hereby rescinded and rendered null and void, ab initio, for all purposes.

[Signature Page to Follow]

IN WITNESS WHEREOF, I have executed this Assignment this 29th day of March, 2013.

SURMODICS, INC.

By: [Signature] (L.S.)
Bryan K. Phillips

Title: SVP, General Counsel and Secretary

SURMODICS SMP, INC.

By: [Signature] (L.S.)
Bryan K. Phillips

Title: Vice President

State of Minnesota

County of Crow

On this 29th day of March, 2013, before me, a Notary Public came Bryan K. Phillips, to me known and known to be the individual described in and who executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

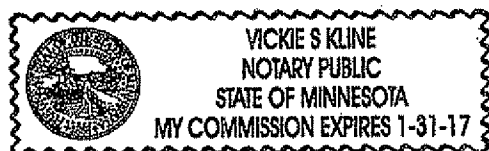
[Signature]

Notary Public

Vickie S. Kline

My Commission

Expires: January 31, 2017



IN WITNESS WHEREOF, I have executed this Assignment this 9th day of April, 2013.

EVONIK CORPORATION

By: Peter Knopf (L.S.)
Title: VP

State of New Jersey
County of Morris

On this 9th day of April, 2013, before me, a Notary Public came Peter Knopf, to me known and known to be the individual described in and who executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Lorie M. Buonocore
Notary Public

My Commission Expires: 11/16/2015

Lorie M. Buonocore
Notary Public of New Jersey
I.D. No: 2183971
Expires November 16, 2015

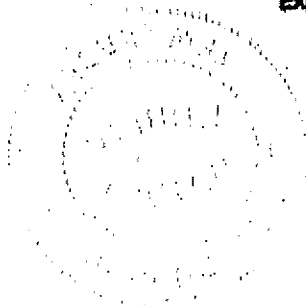


Exhibit A

Patents and Patent Applications

Title	Inventors	Evonik Degussa Reference No.	Patent No.	Application Number	Filing Date	Reelframe Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
DRUG DELIVERY BLADE AND METHODS FOR DELIVERING	Barnett Peter J.	2010P12001US										
			19393.0004U1	61388,254	09/30/10		US	US	SurModics, Inc.	Rule 92bis filed 9/25 to		
			19393.0004P1	PCT/US2011/054258	09/30/11	027209/0257	SurModics, Inc.	PCT	US			
			19393.0004U2	13250,203	08/30/11		SurModics, Inc.	US				
			19393.0001P1	PCT/US2010/045008	08/10/10		SurModics, Inc.	PCT				
			19393.0001BR1	BR1120120030255			SurModics, Inc.	Brazil				
			19393.0001CA1	2770900			SurModics, Inc.	Canada				
			19393.0001CN1	201080043052.7			SurModics, Inc.	China				
			19393.0001EP1	10747987.5			SurModics, Inc.	Europe				
			19393.0001IL1	218061			SurModics, Inc.	Israel				
			19393.0001IN1	21010ELNP/2012			SurModics, Inc.	India				
			19393.0001JP1	2012-524783			SurModics, Inc.	Japan				
			19393.0001KR1	10-2012-7006379			SurModics, Inc.	South Korea				
			19393.0001MX1	PCT/US2010/045009			SurModics, Inc.	Mexico - NOT FILED				
			19393.0001TH1	1201000555			SurModics, Inc.	Thailand				
			19393.0001U1	61232,711	08/10/09	023299/0736	SurModics, Inc.					
			19393.0301U2	12953,781	08/10/10	025348/0195	SurModics, Inc.					
			19393.0002P1	PCT/US2011/030736	03/31/11		SurModics, Inc.					
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			19393.0002CA1	PCT/US2011/030736			SurModics, Inc.	Canada				
			19393.0002CN1	PCT/US2011/030736			SurModics, Inc.	China				
			19393.0002EP1	PCT/US2011/030736			SurModics, Inc.	Europe				
			19393.0002HK1	PCT/US2011/030736			SurModics, Inc.	Hong Kong				
			19393.0002IL1	0285IDELNP/2012			SurModics, Inc.	Israel				
			19393.0002IN1	PCT/US2011/030736			SurModics, Inc.	India				
			19393.0002JP1	PCT/US2011/030736			SurModics, Inc.	Japan				
			19393.0002RU1	PCT/US2011/030736			SurModics, Inc.	Russia				
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Exhibit A
Patents and Patent Applications

Title	Inventors	Exonik Depussa Reference No.	Matter No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
MICROENCAPSULATION PROCESS AND PRODUCTS THEREFROM	Tice Thomas R. Gilley Richard M.		02181.0019CA1	2,050,911	05/02/90			Inactive			2,050,911	07/15/97
			02181.0018CH1	80908830.4	05/02/90			Inactive			0 471 036	07/17/96
			02181.0019CN1		05/02/90			Inactive				
			02181.0019DE1	80908830.4	05/02/90			Inactive			68024953.5	01/17/96
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			02181.0019EP1	80908830.4	05/02/90			Inactive			0 471 036	01/17/96
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			02181.0019KR1	91-701573	05/02/90			Inactive			162680	09/01/98
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			02181.0019TW1	79103694	05/07/90			Inactive			50052	07/11/91
1990P12001US 1990P12001USD1			02181.0019U1	07347,476	05/04/89		Southern Research Brookwood Pharmaceutical				5,407,639	04/18/95
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			02181.0048BE1	91910707.8	05/14/91			Inactive			0 528 978	10/16/02
			02181.0048CH1	91910707.8	05/14/91			Inactive			0 528 978	10/16/02
			02181.0048DE1	91910707.8	05/14/91			Inactive			68133136.7	10/16/02

Exhibit A
Patents and Patent Applications

Title	Inventors	Event/R. Designa. Reference No.	Material No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
METHOD FOR STIMULATING NERVE FIBER GROWTH (Co-owned with McRae-McFarlane and Dahlstrom of the Univ. of Göteborg and SRI)	Tice Thomas R. Dillon Deborah L. Mason David W. McRae-McFarlane Amanda Dahlstrom Annica B.	1991P12001US	02181.00480K1	91910707.8	05/14/91			Inactive		0 528 978		10/16/02
			02181.0048EP1	91910707.8	05/14/91			Inactive		0 528 978		10/16/02
			02181.0048ES1	91910707.8	05/14/91			Inactive		2185615		10/16/02
			02181.0048FR1	91910707.8	05/14/91			Inactive		0 528 978		10/16/02
			02181.0048CS1	91910707.8	05/14/91			Inactive		0 528 978		10/16/02
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			02181.0048SE1	91910707.8	05/14/91			Inactive		0 528 978		10/16/02
			02181.0048U1	07/525,383	05/16/90			Inactive		5,350,610		11/01/94
MICROCAPSULES FOR ADMINISTRATION OF NEUROACTIVE AGENTS (Co-owned with McRae-McFarlane and Dahlstrom of the Univ. of Göteborg and SRI)	Tice Thomas R. Dillon Deborah L. Mason David W. McRae-McFarlane Amanda Dahlstrom Annica B. Edens Raymond	1991P12001US	02181.0048U2	08/033,309	03/15/93	019508/0335	Brookwood Pharmaceutical	Inactive		261278		03/10/04
			02181.0048AT1	95924078.9	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048BE1	95924078.9	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048CH1	95924078.9	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048DE1	95924078.9	06/28/95			Inactive		69532673.2-08		03/10/04
			02181.0048DK1	95924078.9	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048EP1	95924078.9	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048ES1	95924078.9	06/28/95			Inactive		2217281		11/01/04
			02181.0048FR1	95924078.9	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048GB1	95924078.9	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048GR1	95924078.9	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048IT1	95924078.9	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048JP1	8-509413	06/28/95			Inactive		0 767 634		03/10/04
			02181.0048NL1	95924078.9	06/28/95			Inactive				
ANTITHROMBOTIC/THROMBOLYTIC SUTURE	Dunn Richard L. Eden Carlton A.	1995P12001US	02181.0048U1	03934,382	08/02/01			Inactive		4,841,938		06/27/99
			02181.0048U2	03934,382	08/02/01			Inactive				
			02181.0048U3	03934,382	08/02/01			Inactive				
			02181.0048U4	03934,382	08/02/01			Inactive				

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Title	Inventors	Evonik Degussa Reference No.	Material No.	Application Number	Filing Date	Res./Franchise Number	Assignee	COUNTRY	Applicant as of 10/28/2012	Patent Number	Issue Date
METHODS FOR MANUFACTURING DELIVERY SYSTEMS AND SYSTEMS THEREOF	Tice Thomas R. Hudson Bruce W. Tipton Arthur J.	2005P12001US	02181.0062U1	20050325213	08/03/05		Brookwood s, Inc. Brookwood Pharmaceutical	Australia	SurModics	20050325213	01/20/11
		2005P12001US	02181.0062U1	60559, 174	08/04/04	0195000397	Brookwood s, Inc. Brookwood Pharmaceutical	Canada	Pharmaceuticals, Brookwood		
		2005P12001US	02181.0062U2	11/196, 591	08/03/05	016936/0710	Brookwood s, Inc.	Europe	Pharmaceuticals, Brookwood		
		2005P12001US	02181.0063CA1	2,667, 890	10/30/07		Canada	Pharmaceuticals, SurModics		2078052	07/28/10
		2005P12001US	02181.0063DE1	07853022.7	10/30/07		Germany	Pharmaceuticals, SurModics		602007019761.9	12/28/11
		2005P12001US	02181.0063DE2	10170181.1	07/20/10		Germany	Pharmaceuticals, SurModics		2 078 052	07/28/10
		2005P12001US	02181.0063EP1	07853022.7	10/30/07		Europe	Pharmaceuticals, SurModics		2236546	12/29/12
		2005P12001US	02181.0063EP2	10170181.1	07/20/10		Europe	Pharmaceuticals, SurModics		2 078 052	07/29/10
		2005P12001US	02181.0063FR1	07853022.7	10/30/07		France	Pharmaceuticals, SurModics		2236546	07/29/11
		2005P12001US	02181.0063FR2	10170181.1	07/20/10		France	Pharmaceuticals, SurModics		2 078 052	07/29/10
SPHERONIZED POLYMER PARTICLES	Campbell Jason N. Hudson Bruce W.	2005P12001US	02181.0063GB1	07853022.7	10/30/07		United Kingdom	Pharmaceuticals, SurModics		2236546	12/29/11
		2005P12001US	02181.0063GB2	10170181.1	07/20/10		United Kingdom	Pharmaceuticals, SurModics		2 078 052	07/29/10
		2005P12001US	02181.0063IE1	07853022.7	10/30/07		Ireland	Pharmaceuticals, SurModics		2236546	12/29/11
		2005P12001US	02181.0063IE2	10170181.1	07/20/10		Ireland	Pharmaceuticals, SurModics		2 078 052	07/29/10
		2005P12001US	02181.0063IT1	07853022.7	10/30/07		Italy	Pharmaceuticals, SurModics		2236546	12/29/11
		2005P12001US	02181.0063IT2	10170181.1	07/20/10		Italy	Pharmaceuticals, SurModics		2 078 052	07/29/10
		2005P12001US	02181.0063JP1	2005-534697	10/30/07		Japan	Pharmaceuticals, SurModics		2236546	12/29/11
		2005P12001US	02181.0063P1	PCT/US2007/022885	10/30/07		Japan	Pharmaceuticals, SurModics		2236546	12/29/11
		2005P12001US	02181.0063U1	601655, 551	10/31/05	019350/0528	Brookwood Pharmaceutical s, Inc.	Canada	Pharmaceuticals, SurModics		
		2005P12001US	02181.0063U2	11/829, 559	10/30/07	020319/0976	Brookwood Pharmaceutical s, Inc.	Canada	Pharmaceuticals, SurModics		
PROCESS FOR PREPARING MICROPARTICLES HAVING A LOW RESIDUAL SOLVENT VOLUME	Biggs Danielle Nettel Heather	2009P12001US	02181.0064CA1	2,708, 712	12/18/08		Canada	Pharmaceuticals, SurModics			
		2009P12001US	02181.0064EP1	08866571.9	12/18/08		Europe	Pharmaceuticals, SurModics			
		2009P12001US	02181.0064JP1	2010-539801	12/18/08		Japan	Pharmaceuticals, SurModics			
		2009P12001US	02181.0064P1	PCT/US2009/007428	12/18/08		Japan	Pharmaceuticals, SurModics			

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Title	Inventors	Reference No.	Matter No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
REDUCED-MASS, LONG-ACTING DOSAGE FORMS	Tee Thomas R. Markland Peter Steas Jay K.	2007P12002US	02181.0066U1	601833,647	06/07/07	019509/0446	Brookwood Pharmaceutical Brookwood Pharmaceutical	Canada	Surfodics			
			02181.0066U2	12/15/7,388	06/09/08	021385/0152	Brookwood Pharmaceutical	Canada	Surfodics			
			02181.0068CA1	2,690,658	06/09/08		Brookwood Pharmaceutical	Canada	Surfodics			
			02181.0068EP1	08766282.9	06/09/08		Brookwood Pharmaceutical	Europe	Surfodics			
BIOCOMPATIBLE AND BIODEGRADABLE ELASTOMERIC POLYMERS	Parniak Asima	2008P12002US	02181.0068JP1	2011-508920	06/11/09		Brookwood Pharmaceutical	Japan	Surfodics			
			02181.0068P1	PCT/US2009/02997	06/11/09	022284/0405	Brookwood Pharmaceutical	Canada	Surfodics			
			02181.0068U1	61061,387	06/09/08		Brookwood Pharmaceutical	Europe	Surfodics			
			02181.0068U2	12/463,823	05/11/09	022766/0755	Brookwood Pharmaceutical	Japan	Surfodics			
PROCESS FOR PREPARING MICROPARTICLES CONTAINING BIOACTIVE PEPTIDES	Riggs Danielle	2008P12003US	02181.0068CA1	2,730,780	07/16/09		Brookwood Pharmaceutical	Canada	Surfodics			
			02181.0068EP1	09795734.1	07/16/09		Brookwood Pharmaceutical	Europe	Surfodics			
			02181.0068JP1	2011-518901	07/16/09		Brookwood Pharmaceutical	Japan	Surfodics			
			02181.0068P1	PCT/US2009/050802	07/16/09	021308/0884	Brookwood Pharmaceutical	Canada	Surfodics			
MICROENCAPSULATION PROCESS WITH SOLVENT AND SALT	Ratche Adrian T. Campbell Jason M. Nettes Heather Womack Allison	2008P12004US	02181.0070U1	61081,284	07/16/08	021308/0884	Brookwood Pharmaceutical	Canada	Surfodics			
			02181.0068U2	12/504,078	07/16/09	023091/0244	Brookwood Pharmaceutical	Europe	Surfodics			
			02181.0070CA1	2,737,484	09/18/09		Brookwood Pharmaceutical	Canada	Surfodics			
			02181.0070EP1	09762897.6	09/18/09		Brookwood Pharmaceutical	Europe	Surfodics			
SOLVENT EXTRACTION MICROENCAPSULATION WITH TUNABLE EXTRACTION RATES	Alkison Jeffrey L. Chambers Brian K.	2008P12005US	02181.0070JP1	2011-527995	09/18/09		Brookwood Pharmaceutical	Japan	Surfodics			
			02181.0070P1	PCT/US2009/057347	09/18/09	021737/0349	Brookwood Pharmaceutical	Canada	Surfodics			
			02181.0070U2	61046,858	07/12/09	022462/0521	Brookwood Pharmaceutical	Europe	Surfodics			
			02181.0070U3	12/592,455	09/18/09	023504/0955	Brookwood Pharmaceutical	Canada	Surfodics			
SOLVENT EXTRACTION MICROENCAPSULATION WITH TUNABLE EXTRACTION RATES	Alkison Jeffrey L. Chambers Brian K.	2008P12005US	02181.0071U1	61098,016	09/11/08	021737/0358	Brookwood Pharmaceutical	Europe	Surfodics			
			02181.0071U2	12/557,946	09/11/09	023504/0955	Brookwood Pharmaceutical	Canada	Surfodics			
			02181.0072P1	PCT/US2010/051068	10/01/10		Brookwood Pharmaceutical	Europe	Surfodics			
			02181.0072BR1				Brookwood Pharmaceutical	Japan	Surfodics			

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Title	Inventors	Eponik Design Reference No.	Matter No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
MICROPARTICLE COMPOSITIONS AND METHODS FOR TREATING AGE-RELATED MACULAR DEGENERATION	Nettes Heather	2010P12004US01	02181.0072CA1					Inactive				
			02181.0072CN1					Inactive				
			02181.0072EP1					Inactive				
			02181.0072IN1					Inactive				
			02181.0072JP1					Inactive				
CONTINUOUS DOUBLE EMULSION PROCESS FOR MAKING MICROPARTICLES	Markland Peter	2010P12005US01	02181.0081EP1					Inactive				
			02181.0081CA1					Inactive				
			02181.0081EP1					Inactive				
			02181.0081JP1					Inactive				
			02181.0081EP1					Inactive				
POLYMER MIXTURES COMPRISING POLYMERS HAVING DIFFERENT NON-REPEATING UNITS AND METHODS FOR MAKING AND USING SAME	Tipton Arthur J.	2010P12006US01	02181.0082EP1					Inactive				
			02181.0082CA1					Inactive				
			02181.0082EP1					Inactive				
			02181.0082JP1					Inactive				
			02181.0082EP1					Inactive				
MICROPARTICLES FROM POLYMER BLENDS	Nettes Heather	2010P12007US01	02181.0083EP1					Inactive				
			02181.0083CA1					Inactive				
			02181.0083EP1					Inactive				
			02181.0083JP1					Inactive				
			02181.0083EP1					Inactive				
DRYING METHODS FOR TUNING MICROPARTICLE PROPERTIES	Atkinson Jeffrey L. Chambers Brian K. Hudson Michael E.	2009P12002US01	02181.0084EP1					Inactive				
			02181.0084CA1					Inactive				
			02181.0084EP1					Inactive				
			02181.0084JP1					Inactive				
			02181.0084EP1					Inactive				

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Title	Inventors	Event/Dejussa Reference No.	Matter No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
METHOD FOR THE PRODUCTION OF EMULSION-BASED MICROPARTICLES	Ziegerson Ewald		02181.0085CN2	201110028930.X	01/25/11		PR	China	Pharmaceuticals, SunModics			
			02181.0085EP1	04/750/117.6	04/12/04			Europe	Pharmaceuticals, SunModics			
			02181.0085EP2	12155499.8	03/14/12			Europe	Pharmaceuticals, PR			
			02181.0085IN1	4743DELNP/2005	04/12/04			India	Pharmaceuticals, PR		240212	04/28/10
			02181.0085JP1	2006-532408	04/12/04			Inactive	Pharmaceuticals, PR			
			02181.0085JP2	2006-295315	12/25/09			Japan	Pharmaceuticals, PR			
			02181.0085P1	PCT/US2004/011485	04/12/04							
			02181.0085U1	60/461,860	04/10/03							
			02181.0085U2	10/553,003	10/10/05							
			02181.0085U3	11/799,700	05/01/07							
CONTROLLED RELEASE COMPOSITIONS	Cook Gary P.	2003P12001WCU S	02181.0086AU1	2004259209	07/15/04			Inactive				
			02181.0086BR1	P10412211-9	07/15/04			Canada	Pharmaceuticals, PR			
			02181.0086CA1	2,533,532	07/15/04			China	Pharmaceuticals, SunModics		ZL 20048027243.9	02/10/10
			02181.0086CN1	200469027243.9	07/15/04			Europe	Pharmaceuticals, SunModics			
			02181.0086EP1	04/778361.8	07/15/04			Europe	Pharmaceuticals, PR			
			02181.0086EP2	11/187401.2	11/01/11			India	Pharmaceuticals, PR			
			02181.0086IN1	557DELNP/2006	02/23/06			India	Pharmaceuticals, PR			
			02181.0086IN2	2464DELNP/2009	04/15/09			Japan	Pharmaceuticals, PR			
			02181.0086JP1	2006-521134	07/15/04			Japan	Pharmaceuticals, PR			
			02181.0086JP2	2011-100272	04/27/11			Japan	Pharmaceuticals, PR			
METHOD FOR THE PREPARATION OF CONTROLLED RELEASE FORMULATIONS	Cook Gary P.	2004P12001WCU S	02181.0086U1	60/469,402	07/23/03							
			02181.0086U2	10/565,401	07/15/04							
			02181.0087AU1	2004259208	07/15/04			Australia	Pharmaceuticals, SunModics			
			02181.0087BR1	P10412059-0	07/15/04			Inactive				
			02181.0087CA1	2,532,302	07/15/04			Canada	Pharmaceuticals, PR			
			02181.0087CN1	200480026806.7	07/15/04			China	Pharmaceuticals, SunModics			
			02181.0087EP1	04/778360.0	07/15/04			Europe	Pharmaceuticals, SunModics			
			02181.0087EP2	11/187402.0	11/01/11			Europe	Pharmaceuticals, PR		228247	01/29/09
			02181.0087IN1	706DELNP/2006	07/15/04			Japan	Pharmaceuticals, PR			
			02181.0087JP1	2006-520347	07/15/04			Japan	Pharmaceuticals, PR			
METHOD FOR THE PREPARATION OF CONTROLLED RELEASE FORMULATIONS	Cook Gary P.	2003P12001WCU S	02181.0087JP2	2011-100205	04/27/11			Japan	Pharmaceuticals, PR			

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Title	Inventors	Explain Degussa Reference No.	Matter No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
COMPOSITION AND METHOD FOR THE ENCAPSULATION OF WATER-SOLUBLE MOLECULES INTO S	Allison Stewart Dean	2002P12001US	02181.00887P1	PC1US2004022816	07/15/04		PR					
			02181.00887U1	60487,863	07/15/03		PR					
			02181.0087U2	10564,494	07/16/04	0771228987	Pharmaceutical Brookwood					
						0230180114	Pharmaceutical Brookwood					
			02181.0088U1	10055,720	01/22/02	0129980477	PR Pharmaceutical Brookwood				6720008	04/13/04
						0230180114	Pharmaceutical Brookwood					
			02181.0089AT1	1992587,4	10/21/2001			Austria	PR		1363701	12/21/01
			02181.0089AU1	2002-220002	10/31/01			Australia	PR		2002-220002	04/19/07
			02181.0089BE1	1992587,4	10/31/01			Belgium	PR		1363701	12/21/11
			02181.0089CH1	1992587,4	10/31/01			Switzerland	PR		1363701	12/21/11
			02181.0089CN1	01821588, X	10/31/01			Inactive				
			02181.0089CN2	200810177794.3	11/14/08			China	PR			
			02181.0089DE1	01992587,4	10/31/01			Germany	PR		1363701	12/21/11
			02181.0089EP1	01992587,4	10/31/01			Europe	PR			
			02181.0089EP2	11000705, 1	01/29/11			Europe	PR			
METHODS AND COMPOSITIONS FOR ENHANCED DELIVERY OF BIOACTIVE MOLECULES	Hinko Kenneth Lewis Daniel Schmidt Paul		02181.0089ES1	01992587,4	10/31/01			Spain	PR		1363701	12/21/11
			02181.0089FI1	01992587,4	10/31/01			Finland	PR		1363701	12/21/11
			02181.0089FR1	01992587,4	10/31/01			France	PR		1363701	12/21/11
			02181.0089GB1	01992587,4	10/31/01			United Kingdom	PR		1363701	12/21/11
			02181.0089GR1	01992587,4	10/31/01			Greece	PR		1363701	12/21/11
			02181.0089IE1	01992587,4	10/31/01			Ireland	PR		1363701	12/21/11
			02181.0089IT1	01992587,4	10/31/01			Italy	PR		1363701	12/21/11
			02181.0089JP1	2002-538978	10/31/01			Inactive				
			02181.0089JP2	2010-18324	01/29/10			Japan	PR		1363701	12/21/11
			02181.0089NL1	1992587,4	10/31/01			Netherlands	PR			
			02181.0089P1	PC1US2001045154	10/31/01			Sweden	PR		1363701	12/21/11
			02181.0089SE1	01992587,4	10/31/01			Turkey	PR		1363701	12/21/11
			02181.0089TR1	01992587,4	10/31/01							
			02181.0088U1	60244,499	10/31/00							
			02181.0088U2	09/999,820	10/31/01							
2000P12001US01					01276510331	PR Pharmaceutical Brookwood				6,705,289	03/18/04	
					02179410373	Pharmaceutical PR						
					01276510331	Pharmaceutical PR						
					02179410379	Pharmaceutical PR						
					01276510331	Pharmaceutical Inactive						
2000P12001US02					02181.0089U3	10/7/06, 106	01/27/04					
2000P12001US03					02181.0089U4	12/1/06, 203	08/05/08					

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Title	Inventors	Evonik Degussa Reference No.	Patent No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Patent Number	Issue Date
IMPLANT DEVICES THAT DIFFER BY RELEASE PROFILE AND METHODS OF MAKING AND USING SAME	Hudson Bruce W. Markland Peter	2010P12008US	02181.0091P1	PCT/US2010/048104	09/16/10	0235634 / 0936	Summodics Pharmaceuticals	South Korea	Evonik Degussa Corporation		
			02181.0091KR1	10-2012-700986	09/16/10	0235634 / 0936	Summodics Pharmaceuticals	Russia	Evonik Degussa Corporation		
			02181.0091RU1	20121516120	09/16/10	0235634 / 0936	Summodics Pharmaceuticals	Russia	Evonik Degussa Corporation		
			02181.0091JP1	2012-529897	09/16/10	0235634 / 0936	Summodics Pharmaceuticals	South Korea	Evonik Degussa Corporation		
			02181.0091IN1	2656IDELNP/2012	09/16/10	0235634 / 0936	Summodics Pharmaceuticals	India	Evonik Degussa Corporation		
			02181.0091EP1	10760527.1	09/16/10	0235634 / 0936	Summodics Pharmaceuticals	Europe	Evonik Degussa Corporation		
			02181.0091CN1	201080050995.X	09/16/10	0235634 / 0936	Summodics Pharmaceuticals	China	Evonik Degussa Corporation		
			02181.0091CA1	2774495	09/16/10	0235634 / 0936	Summodics Pharmaceuticals	Canada	Evonik Degussa Corporation		
			02181.0091BR1	BR1120120061038	09/16/10	0235634 / 0936	Summodics Pharmaceuticals	Brazil	Evonik Degussa Corporation		
			02181.0091US01								
MACROPARTICLE ENCAPSULATED THIOL-CONTAINING POLYPEPTIDES TOGETHER WITH A REDOX	Radtke Adrian T. Burton Kevin W.	2009P12003US	02181.0093U1	61288.654	12/21/09	023990 / 0825	Summodics Pharmaceuticals	Brazil	Evonik Degussa Corporation		
			02181.0093U2	120988.624	12/15/10	026701 / 0163	Summodics Pharmaceuticals	Canada	Evonik Degussa Corporation		
			02181.0093P1	PCT/US2010/060473	12/15/10	023990 / 0825	Summodics Pharmaceuticals	China	Evonik Degussa Corporation		
			02181.0095BR1	BR1120120152009	12/15/10	023990 / 0825	Summodics Pharmaceuticals	Europe	Evonik Degussa Corporation		
			02181.0095CA1	2784287	12/15/10	023990 / 0825	Summodics Pharmaceuticals	India	Evonik Degussa Corporation		
			02181.0095CN1	PCT/US2010/060473	12/15/10	023990 / 0825	Summodics Pharmaceuticals	Japan	Evonik Degussa Corporation		
			02181.0095EP1	10843487.9	12/15/10	023990 / 0825	Summodics Pharmaceuticals	South Korea	Evonik Degussa Corporation		
			02181.0095IN1	5340IDELNP/2012	12/15/10	023990 / 0825	Summodics Pharmaceuticals	Russia	Evonik Degussa Corporation		
			02181.0095JP1	202-546038	12/15/10	023990 / 0825	Summodics Pharmaceuticals	Europe	Evonik Degussa Corporation		
			02181.0095KR1	2012-7017983	12/15/10	023990 / 0825	Summodics Pharmaceuticals	China	Evonik Degussa Corporation		
EMULSIFICATION PROCESS USING A SCREEN	Winchester Gary A. Markland Peter	2010P12009US	02181.0095RU1	2012150937	12/15/10	023990 / 0825	Summodics Pharmaceuticals	South Korea	Evonik Degussa Corporation		
			02181.0095U1	61288.654	12/22/09	023990 / 0825	Summodics Pharmaceuticals	Japan	Evonik Degussa Corporation		
			02181.0095U2	120988.624	12/15/10	026701 / 0163	Summodics Pharmaceuticals	Canada	Evonik Degussa Corporation		
			02181.0096P1	PCT/US2011/029900	03/25/11	024328 / 0038	Summodics Pharmaceuticals	Australia	Evonik Degussa Corporation		
			02181.0096AU1	PCT/US2011/029900	03/25/11	024328 / 0038	Summodics Pharmaceuticals	Europe	Evonik Degussa Corporation		
			02181.0096CA1	2794195	03/25/11	024328 / 0038	Summodics Pharmaceuticals	China	Evonik Degussa Corporation		
			02181.0096CN1	2011800153779	03/25/11	024328 / 0038	Summodics Pharmaceuticals	India	Evonik Degussa Corporation		
			02181.0096EP1	PCT/US2011/029900	03/25/11	024328 / 0038	Summodics Pharmaceuticals	South Korea	Evonik Degussa Corporation		
			02181.0096IL1	222091	03/25/11	024328 / 0038	Summodics Pharmaceuticals	Russia	Evonik Degussa Corporation		
			02181.0096IN1	8235IDELNP/2012	03/25/11	024328 / 0038	Summodics Pharmaceuticals	Europe	Evonik Degussa Corporation		
EMULSIONS FOR MICROENCAPSULATION COMPRISING BIODEGRADABLE SURFACE-ACTIVE BLOCK COPOLYMERS AS STABILIZERS	Markland Peter	2011P12001US	02181.0096JP1	PCT/US2011/029900	03/25/11	024328 / 0038	Summodics Pharmaceuticals	Japan	Evonik Degussa Corporation		
			02181.0096RU1	2012145462	03/25/11	024328 / 0038	Summodics Pharmaceuticals	South Korea	Evonik Degussa Corporation		
			02181.0096U1	613317.736	03/25/11	024328 / 0038	Summodics Pharmaceuticals	China	Evonik Degussa Corporation		
			02181.0096U2	13071.633	03/25/11	024328 / 0038	Summodics Pharmaceuticals	Canada	Evonik Degussa Corporation		
			02181.0096US01								
			02181.0096EP1	2012145462	03/25/11	024328 / 0038	Summodics Pharmaceuticals	Europe	Evonik Degussa Corporation		
			02181.0096IN1	8235IDELNP/2012	03/25/11	024328 / 0038	Summodics Pharmaceuticals	India	Evonik Degussa Corporation		
			02181.0096JP1	PCT/US2011/029900	03/25/11	024328 / 0038	Summodics Pharmaceuticals	South Korea	Evonik Degussa Corporation		
			02181.0096RU1	2012145462	03/25/11	024328 / 0038	Summodics Pharmaceuticals	Russia	Evonik Degussa Corporation		
			02181.0096U1	613317.736	03/25/11	024328 / 0038	Summodics Pharmaceuticals	China	Evonik Degussa Corporation		

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Patents and Patent Applications

Title	Inventors	Enroll. Design. Reference No.	Matr. No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
INJECTABLE MALTREXONE MICROSPHERE COMPOSITIONS AND THEIR USE IN REDUCING CONSUMPTION OF HEROIN AND ALCOHOL	Tice Thomas R. Stas Jay K. Ferrell Teresa M.		02181.0097A1	00921946.0	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097AU1	4220300	04/08/00			Inactive			780852	08/04/05
			02181.0097EE1	00921946.0	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097ER1	P00036339-3	04/09/00			Inactive				
			02181.0097CA1	2,369,302	04/08/00			Inactive			2,369,302	09/25/07
			02181.0097CH1	00921946.0	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097CN1	808568.4	04/08/00			Inactive			808568.4	07/13/05
			02181.0097CZ1	PV2001-3635	04/09/00			Inactive				
			02181.0097DE1	00921946.0	04/09/00			Inactive			60009477.4	02/24/05
			02181.0097DK1	00921946.0	04/09/00			Inactive			1 171 132	03/31/04
			02181.0097EA1	200101062	04/09/00			Inactive			4734	08/28/04
			02181.0097EP1	00921946.0	04/09/00			Inactive			1 171 132	03/31/04
			02181.0097ES1	00921946.0	04/09/00			Inactive			1 171 132	03/31/04
			02181.0097ET1	00921946.0	04/09/00			Inactive			1 171 132	03/31/04
			02181.0097FE1	00921946.0	04/09/00			Inactive			1 171 132	03/31/04
			02181.0097GB1	00921946.0	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097GR1	00921946.0	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097HK1	2108954.5	12/10/02			Inactive			1047245	03/03/06
			02181.0097HU1	P0200836	04/09/00			Inactive				
			02181.0097IE1	00921946.0	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097IL1	145802	04/08/00			Inactive			145802	06/12/09
			02181.0097IN1	IN/PCT/2001/01394/C	04/09/00			Inactive			225603	11/21/08
			02181.0097IT1	00921946.0	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097JP1	2000-810480	04/09/00			Inactive				
			02181.0097JP2	2009-252183	11/02/09			Inactive			621281	08/30/09
			02181.0097KR1	10-2001-7012866	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097LU1	00921946.0	04/08/00			Inactive			247594	08/01/07
			02181.0097MX1	PA/42001/010185	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097NL1	00921946.0	04/08/00			Inactive				
			02181.0097NO1	20014896	04/08/00			Inactive			515359	02/03/03
			02181.0097NZ1	515359	04/08/00			Inactive				
			02181.0097P1	PCT/US2000/09438	04/08/00			Inactive			195930	08/03/07
			02181.0097PL1	P350548	04/08/00			Inactive			1 171 132	03/31/04
			02181.0097PT1	00921946.0	04/09/00			Inactive			1 171 132	03/31/04
			02181.0097RO1	00921946.0	04/08/00			Inactive				

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Title	Inventors	Economic Descriptive Reference No.	Matr. No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
INJECTABLE METHADONE, METHADONE AND BUPRENORPHINE AND NALTREXONE MICROPARTICLE COMPOSITIONS AND THEIR USE IN REDUCING CONSUMPTION OF ABUSED SUBSTANCES	Tice Thomas R. Stasz Jay K. Markand Peter Ferrell Teresa M.	2000P12002US 2000P12002US01	02181.0097RU1	200101082	04/08/00			inactive			4734	08/28/04
			02181.0097SE1	00921946.0	04/08/00			inactive			1 171 132	03/31/04
			02181.0097SG1	200105359-3	04/08/00			inactive			84255	01/20/04
			02181.0097TR1	2001/022860	04/08/00			inactive				
			02181.0097U1	60/128.477	04/09/99			inactive				
			02181.0097U2	09/545.054	04/07/00			inactive			6,306,425	10/23/01
						0181810879	Southern Research Brookwood Pharmaceutical					
						0181090779						
			02181.0097UA1	2001117615	04/08/00			inactive			79921	08/10/07
			02181.0098AT1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098AU1	70751.00	08/25/00						765466	01/08/04
			02181.0098BE1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098BR1	P0013650-6	08/25/00							
			02181.0098CA1	2,382,577	08/25/00						2,382,577	01/22/08
			02181.0098CH1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098CN1	814728	08/25/00						200510092717.4	05/14/08
			02181.0098CN2	200510092717.4	08/18/05						1 212 061	10/27/04
			02181.0098CY1	00959422.7	08/25/00							
			02181.0098CZ1	PV2002-728	08/25/00							
			02181.0098DE1	00959422.7	08/25/00						600 16 370.3	10/27/04
			02181.0098DK1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098EA1	200200295	08/25/00						9080	08/16/07
			02181.0098EP1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098EP2	04077956.3	08/25/00							
			02181.0098ES1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098FI1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098FR1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098GB1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098GR1	00959422.7	08/25/00						1046858	03/24/05
			02181.0098HK1	20020108439	11/21/02							
			02181.0098HU2	1078031	08/25/00							
			02181.0098HU1	P0203613	08/25/00							
			02181.0098IE1	00959422.7	08/25/00						1 212 061	10/27/04
			02181.0098IL1	148343	08/25/00						148343	01/21/08
			02181.0098IN1	INFC/T2002294/CH	08/25/00						228223	02/16/09
			02181.0098IT1	00959422.7	08/25/00						1 212 061	10/27/04

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PATENT
REEL: 035679 FRAME: 0418

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Title	Inventors	Evonik Degussa Reference No.	Material No.	Application Number	Filing Date	Receipt Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
MODULATING BURST AND RELEASE PROFILES FROM COEXTENDED IMPLANTS BY TREATING THE IMPLANT ENDS	Biggs Danielle Philippe Weigert	2009P12004US01	02181.0104U2	12/79,138	05/13/10	024854 / 0139	Summodics Pharmaceutical					
			02181.0104P1	PCT/US2010/049733	09/22/10			Brazil	Evonik Degussa Corporation			
			02181.0104BR1	BR1120123064444	09/22/10			Canada	Evonik Degussa Corporation			
			02181.0104CA1	2775079	09/22/10			China	Evonik Degussa Corporation			
			02181.0104CN1	201080850862.5	09/22/10			Europe	Evonik Degussa Corporation			
			02181.0104EP1	10759787.4	09/22/10			India	Evonik Degussa Corporation			
			02181.0104IN1	3360DELNP/2012	09/22/10			Japan	Evonik Degussa Corporation			
			02181.0104JP1	2012530987	09/22/10			South Korea	Evonik Degussa Corporation			
			02181.0104KR1	2012115855	09/22/10			Russia	Evonik Degussa Corporation			
			02181.0104RU1	2012115855	09/22/10							
INFLUENCING DRUG RELEASE PROFILES FROM IMPLANTS BY SELECTIVELY ADJUSTING THE LOCATION AND AMOUNT OF DRUG COATING	Biggs Danielle	2009P12005US	02181.0104U1	61244,726	09/22/09	028908 / 0077	Summodics Pharmaceutical					
		2009P12005US01	02181.0104U2	61375,143	08/19/10	028907 / 0936	Summodics Pharmaceutical					
		2009P12005US02	02181.0104U3	12/687,877	08/22/10	025535 / 0547	Summodics Pharmaceutical					
			02181.0105P1	PCT/US2010/049750	09/22/10			Brazil	Evonik Degussa Corporation			
			02181.0105BR1	BR1120120064436	09/22/10			Canada	Evonik Degussa Corporation			
			02181.0105CA1	2775077	09/22/10			China	Evonik Degussa Corporation			
			02181.0105CN1	201080050890.7	09/22/10			Europe	Evonik Degussa Corporation			
			02181.0105EP1	10760192.1	09/22/10			India	Evonik Degussa Corporation			
			02181.0105IN1	3360DELNP/2012	09/22/10			Japan	Evonik Degussa Corporation			
			02181.0105JP1	2012530986	09/22/10			South Korea	Evonik Degussa Corporation			
PROCESS FOR PREPARING CYCLIC ESTERS COMPRISING UNSATURATED FUNCTIONAL GROUPS	Markland Peter	2009P12008US	02181.0105U1	61244,735	09/22/09	028908 / 0151	Summodics Pharmaceutical					
		2009P12008US01	02181.0105U2	12/687,893	09/22/10	025535 / 0533	Summodics Pharmaceutical					
			02181.0106P1	PCT/US2010/060475	12/15/10			Brazil	Evonik Degussa Corporation			
			02181.0106BR1	1120120151843	12/15/10			Canada	Evonik Degussa Corporation			
			02181.0106CA1	2784995	12/15/10			China	Evonik Degussa Corporation			
			02181.0106CN1	PCT/US2010/060475	12/15/10			Europe	Evonik Degussa Corporation			
			02181.0106EP1	10003310.1	12/15/10			India	Evonik Degussa Corporation			
			02181.0106IN1	5726DELNP/2012	12/15/10			Japan	Evonik Degussa Corporation			
			02181.0106JP1	2012-546039	12/15/10			South Korea	Evonik Degussa Corporation			
			02181.0106KR1	2012-7017985	12/15/10			Russia	Evonik Degussa Corporation			
PROCESS FOR PREPARING CYCLIC ESTERS COMPRISING UNSATURATED FUNCTIONAL GROUPS	Markland Peter	2010P12010US	02181.0106U1	61286,646	12/21/09	024056 / 0711	Summodics Pharmaceutical					
		2010P12010US01	02181.0106U2	12/968,920	12/15/10	023839 / 0086	Summodics Pharmaceutical					

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Title	Inventors	Evonik Degussa Reference No.	Patent No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of Chain of Title	Patent Number	Issue Date
MICROPARTICLES PREPARED FROM	Markland Peter Winesister Gary	2010P12011US	02181.0107U1	6/13/9,337	03/31/10	024441 / 0358	Summodics Pharmaceutical	Australia	Evonik Degussa Corporation		
COMPOSITIONS AND METHODS FOR IMPROVED RETENTION OF A PHARMACEUTICAL COMPOSITION AT A LOCAL ADMINISTRATION SITE	Tice Thomas R. Burton Kevin W.		02181.0108P-1	PCT/US2011/030332	03/29/11		Summodics Pharmaceutical	Australia	Evonik Degussa Corporation		
			02181.0108AU1	2011230846	03/29/11		Summodics Pharmaceutical	Canada	Evonik Degussa Corporation		
			02181.0108CA1	PCT/US2011/030332	03/29/11		Summodics Pharmaceutical	China	Evonik Degussa Corporation		
			02181.0108CN1	2011800168613	03/29/11		Summodics Pharmaceutical	Europe	Evonik Degussa Corporation		
			02181.0108EP1	PCT/US2011/030332	03/29/11		Summodics Pharmaceutical	Israel	Evonik Degussa Corporation		
			02181.0108IL1	PCT/US2011/030332	03/29/11		Summodics Pharmaceutical	India	Evonik Degussa Corporation		
			02181.0108IN1	8241DELNP/2012	03/29/11		Summodics Pharmaceutical	Japan	Evonik Degussa Corporation		
			02181.0108JP1	PCT/US2011/030332	03/29/11		Summodics Pharmaceutical	Russia	Evonik Degussa Corporation		
			02181.0108RU1	2012145811	03/29/11		Summodics Pharmaceutical				
			02181.0108U1	6/13/8,574	03/29/10	024328 / 0081	Summodics Pharmaceutical				
IMPLANT PROCESSING METHODS FOR THERMALLY LABILE AND OTHER POLYMER AND POLYLACTIDE, POLYGLYCOLIDE	Markland Peter Tice Thomas R. Markland Peter Zheng Xi	2010P12012US01 2011P12002US 2011P12002US01 2010P12003US	02181.0110U1 02181.0110U2 02181.0112U1	6/13/50,190 13/173,021 6/13/80,148	06/30/10 06/30/11 06/30/10	026181 / 0806 028805/0325 028887 / 0121	Summodics Pharmaceutical Summodics Pharmaceutical Summodics Pharmaceutical				
CORE/SEATH IMPLANT DEVICES COMPRISING AN INNER CORE LOBE	Hudson Michael E.	2011P12003US	02181.0113U1	6/13/50,140	06/30/10	026181 / 0724	Summodics Pharmaceutical				
METHOD FOR REMOVING RESIDUAL ORGANIC SOLVENT FROM MICROPARTICLES	Raiche Adrian T. Perkins Brenda	2011P12004US 2011P12004US01	02181.0114U1 02181.0114U2	6/13/38,050 13/247,509	09/30/10 09/28/11	026841 / 0810 027625/0672	Summodics Pharmaceutical Summodics Pharmaceutical				
EMULSION METHOD FOR PREPARING LOW RESIDUAL SOLVENT MICROPARTICLES	Perkins Brenda Pattamrak Asima	2011P12005US 2011P12005US01	02181.0115U1 02181.0115U2	6/13/38,049 13/247,577	09/30/10 09/28/11	026237 / 0111 027628/0444	Summodics Pharmaceutical Summodics Pharmaceutical				
APPARATUS AND METHODS FOR PREPARING AN EMULSION	Hudson Bruce W. Opperman Gary W. Raiche Adrian T.	2011P12006US	02181.0120U1	6/14/26,705	12/23/10	025741 / 0403	Summodics Pharmaceutical				
BRANCHED POLYOL POLYESTERS, BLENDS AND	Tice Thomas R.	2010P12014US	02181.0121U1	6/14/23,140	12/15/10	026850 / 0036	Summodics Pharmaceutical				
			03043.0002AU1	91259/98	08/28/98		Summodics Pharmaceutical			760034	08/04/03
			03043.0002CA1	2,301,587	08/28/98		Summodics Pharmaceutical			2,301,587	08/31/05
			03043.0002CH1	98943467.5	08/28/98		Summodics Pharmaceutical			1,009,386	08/31/05
			03043.0002DE1	98943467.5	08/28/98		Summodics Pharmaceutical			69831415.8	08/31/05

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Title	Inventors	Patent Design Reference No.	Matter No.	Application Number	Filing Date	Reel/Frame Number	Assignee	COUNTRY	Applicant as of 10/26/2012	Chain of Title	Patent Number	Issue Date
RAPID RELEASE ENCAPSULATED BIOACTIVE AGENTS FOR INDUCING OR POTENTIATING AN IMMUNE RESPONSE AND METHODS OF USING THEREOF	Tice Thomas R. Steele Jay K. Steele Paul R. Raychaudhuri Syanal		03043.0002DK1	98943467.5	08/28/98						1 009 386	08/31/05
			03043.0002EP1	98943467.5	08/28/98						1 009 386	08/31/05
			03043.0002EP2	05008610.3	08/28/98							
			03043.0002ES1	98943467.5	08/28/98						1 009 386	08/31/05
			03043.0002FI1	98943467.5	08/28/98						1 009 386	08/31/05
			03043.0002FR1	98943467.5	08/28/98						1 009 386	08/31/05
			03043.0002GB1	98943467.5	08/28/98						1 009 386	08/31/05
			03043.0002HK1	00108319.7	12/21/00						HK1028742	10/21/05
			03043.0002HK2	6100867.3	01/20/06							
			03043.0002IT1	98943467.5	08/28/98						1 009 386	08/31/05
			03043.0002LU1	98943467.5	08/28/98						1 009 386	08/31/05
			03043.0002NL1	98943467.5	08/28/98						1 009 386	08/31/05
POLYMERS FROM HYDROXY ACIDS AND	Tice Thomas R. Steele Jay K. Steele Paul R. Raychaudhuri Syanal		03043.0002P1	PCT/US1998/017951	08/28/98						1 009 386	08/31/05
			03043.0002SE1	98943467.5	08/28/98						1 009 386	08/31/05
			03043.0001US	60057.363	08/29/97						6,312,731	11/02/01
			03043.0002US	08/143.162	08/28/98							
			2500P12003US									
			2500P12003US01									
			USP341US	07/05.776	11/21/91						5,208,341	04/27/93
			188188PCT	PCT/US2009/055461	08/28/09							
			188188PCTAU	PCT/US2009/055461	08/28/09							
			188188PCTBR	PCT/US2009/055461	08/28/09							
			188188PCTCA	2,735,581	08/28/09							
			188188PCTCN	PCT/US2009/055461	08/28/09							
CONTROLLED-RELEASE PEPTIDE FORMULATIONS (Co-owned with Corden Pharma Ltd., formerly Genzyme)	Burton Kevin W. Woehtl Tyslen Tice Thomas R. Ayoub Mounir		188188PCTEP	08792085.4	08/28/09							
			188188PCTIL	211407	08/28/09							
			188188PCTIN	PCT/US2009/055461	09/28/09							
			188188PCTJP	PCT/US2009/055461	08/28/09							
			188188PCTKR	2011-7066780	08/28/09							
			188188PCTMX	MX/A/2011/002255	08/28/09							
			188188PCTRU	PCT/US2009/055461	08/28/09							
			188188PCTUS	130060.576	08/28/09							
			188188PCTUS	61093.258	08/28/08							
			TEPH118EP	08771255.8	06/29/09							
			TEPH118PCT	PCT/US2009/049118	06/29/09							
			TEPH118US	12/494.174	06/29/09							

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Patents and Patent Applications

Title	Inventors	Evonik Degussa Reference No.	Master No.	Application Number	Filing Date	Real/Frame Number	Assignee	COUNTRY	Applicant as of 10/20/2012	Chain of Title	Patent Number	Issue Date
	MARION LUDWIG P.		TEPH118AUS-PRV	81078,454	08/27/08							



PATENT