

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3048893

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	CONFIRMATORY ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	NOVARTIS VACCINES AND DIAGNOSTICS, INC.	08/26/2014
	NOVARTIS AG	08/26/2014
RECEIVING PARTY DATA		
Name:	GRIFOLS WORLDWIDE OPERATIONS LIMITED	
Street Address:	EMBASSY HOUSE	
Internal Address:	BALLSBRIDGE	
City:	DUBLIN 4	
State/Country:	IRELAND	
Postal Code:	D4	
PROPERTY NUMBERS Total: 31		
Property Type	Number	
Patent Number:	6054264	
Patent Number:	6416944	
Patent Number:	6428792	
Patent Number:	7056658	
Patent Number:	6514731	
Patent Number:	6300056	
Patent Number:	7166426	
Application Number:	13301599	
Patent Number:	7198923	
Patent Number:	7807438	
Patent Number:	5612453	
Patent Number:	7319144	
Patent Number:	6630298	
Patent Number:	7657385	
Patent Number:	7252958	
Patent Number:	7241879	
Patent Number:	6797809	
Patent Number:	6632601	
Patent Number:	6936442	
		PATENT

Property Type	Number
Patent Number:	6537745
Patent Number:	6261764
Patent Number:	7108967
Patent Number:	6815160
Patent Number:	6391540
Patent Number:	6942965
Patent Number:	8173375
Patent Number:	7563873
Patent Number:	7871625
Patent Number:	8551706
Patent Number:	7927839
Patent Number:	7807813

CORRESPONDENCE DATA

Fax Number: (617)871-4708

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: 617-871-8017

Email: katy.bastarache@novartis.com

Correspondent Name: NOVARTIS VACCINES AND DIAGNOSTICS, INC.

Address Line 1: IP SERVICES BLDG. 433 257

Address Line 2: ONE HEALTH PLAZA

Address Line 4: EAST HANOVER, NEW JERSEY 07936-1080

ATTORNEY DOCKET NUMBER: GRIFOLS-SOLE

NAME OF SUBMITTER: KATHLEEN M. BASTARACHE

SIGNATURE: /Kathleen M. Bastarache/

DATE SIGNED: 10/02/2014

Total Attachments: 20

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CONFIRMATORY ASSIGNMENT

This Confirmatory Assignment Agreement is entered into by and between Novartis Vaccines and Diagnostics, Inc., a Delaware corporation ("**NVD Inc.**") and Novartis AG, a company limited by shares (*Aktiengesellschaft*) pursuant to art. 620 ff. CO having its seat in Basel (together with NVD Inc., "**Assignors**"), on the one hand, and Grifols Worldwide Operations Limited, a company organized under the laws of the Republic of Ireland ("**Grifols**"), on the other hand.

Assignors and Grifols previously entered into an Intellectual Property Assignment and Agreement dated January 9, 2014 (the "IP Assignment Agreement") whereby Assignors agreed to assign, transfer, convey and deliver to Grifols all right, title and interest in and to the patents and patent applications on the attached Schedule. All capitalized terms that are not expressly defined herein have the definition provided in the IP Assignment Agreement

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, effective as of January 10, 2014 and subject to the terms and conditions of the IP Assignment Agreement (including, without limitation, Section 2.1), each Assignor hereby assigns, transfers, conveys and delivers to Grifols, and its successors and assigns, absolutely and forever, and Grifols hereby accepts the assignment, transfer, conveyance and delivery of all right, title and interest in and to the patents and patent applications listed in the attached Schedule.

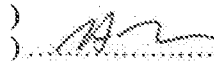
Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect. The modification or deletion of any provision in one jurisdiction shall have no effect on this Assignment in any other jurisdiction.

This Assignment shall be governed by the laws of the state of New York, including all matters of construction, validity and performance, in each case without reference to any conflict of law rules that might lead to the application of the laws of any other jurisdiction.

[Signatures begin on the next page]

AS WITNESS the signature of duly authorized officers of the parties hereto

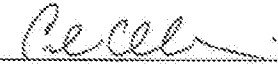
Signed for and behalf of
Novartis Vaccines and
Diagnostics, Inc.

) 
.....
) Name: Helen Lee

Capacity: Assistant Secretary

Date: August 26, 2014

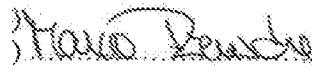
Witness Signature:


.....

Print Witness Name: Colleen McKiernan

Witness Address: 350 Massachusetts Ave, Cambridge, MA USA 02139

Signed for and behalf of
Novartis AG

) 
.....
) Name: Marco Riensche

Capacity: Authorized Signatory

Date: 26 August 2014

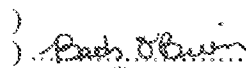
Witness Signature:


.....

Print Witness Name: Colleen McKiernan

Witness Address: 350 Massachusetts Ave, Cambridge, MA USA 02139

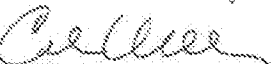
Signed for and behalf of
Novartis AG

) 
.....
) Name: Beth O'Brien

Capacity: Authorized Signatory

Date: 26 August 2014

Witness Signature:


.....

Print Witness Name: Colleen McKiernan

Witness Address: 350 Massachusetts Ave, Cambridge, MA USA 02139

Signed for and behalf of
Grifols Worldwide
Operations Limited

)
) 
) Name: Javier Forba Ribes

Capacity: Director

Date: 18/09/2014

Witness Signature:



Print Witness Name: Carme Casamor Baules

Witness Address: Pol. Levante-C / Can Guasch, 2
08150 Parets del Vallès Barcelona - Spain

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT050960-AT-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Austria	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-BE-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Belgium	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-CA-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Canada	Granted	9-May-1994	2162250	17-Jul-2007	2162250
PAT050960-CH-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Switzerland	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-CN-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	China	Expired	9-May-1994	94192560.9	3-Dec-2003	94192560.9
PAT050960-CZ-NP	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Czech Republic	Expired	9-May-1994	1995-2929	16-Feb-2005	294629
PAT050960-DE-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Germany	Expired	9-May-1994	94916061.8	3-Nov-2004	69434117.7
PAT050960-DK-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Denmark	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-EP-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	European Procedure	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-ES-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Spain	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-FR-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	France	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-GB-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	United Kingdom	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-GE-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Georgia	Expired	9-May-1994	AP1994002146	25-Apr-2001	P2421
PAT050960-GR-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Greece	Expired	9-May-1994	94916061.8	3-Nov-2004	3052144
PAT050960-HU-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Hungary	Expired	9-May-1994	P9503219	2-Sep-2005	224513
PAT050960-IE-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Ireland	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-IT-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Italy	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-JP-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Japan	Expired	9-May-1994	06-525627	10-Feb-2005	3645904
PAT050960-KR-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	South Korea / Republic of Korea	Expired	9-May-1994	1995-0704993	14-Mar-2002	330278
PAT050960-LU-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Luxembourg	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-MC-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Monaco	Expired	9-May-1994	94916061.8	3-Nov-2004	698216

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT050960-MX-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Mexico	Expired	9-May-1994	943452	21-Nov-2007	251686
PAT050960-NL-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Netherlands	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-PL-PCT01	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Poland	Expired	9-May-1994	P311653	17-Aug-1998	175342
PAT050960-PL-PCTD	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Poland	Expired	25-Nov-1997	P323368	17-Aug-1998	175338
PAT050960-PL-PCTD01	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Poland	Expired	25-Nov-1997	P323367	17-Aug-1998	175360
PAT050960-PT-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Portugal	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-RO-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Romania	Expired	9-May-1994	95-01952	31-Jan-2000	115471
PAT050960-RU-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Russian Federation	Expired	9-May-1994	95122701	10-Nov-2000	2158928
PAT050960-SE-EPT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Sweden	Expired	9-May-1994	94916061.8	3-Nov-2004	698216
PAT050960-SK-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Slovakia	Expired	9-May-1994	1359-95	8-Oct-2002	282543
PAT050960-UA-PCT	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	Ukraine	Expired	9-May-1994	95114832	17-Jun-2002	46707
PAT050960-US-CNT01	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	United States of America	Granted	9-Nov-1994	08/336553	25-Apr-2000	6054264
PAT050960-US-DIV	METHODS OF TYPING HEPATITIS C VIRUS AND REAGENTS FOR USE THEREIN	United States of America	Granted	11-May-1995	08/439157	9-Jul-2002	6416944
PAT050964-AT-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Austria	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-AU-PCT	MULTIPLE EPITOPE FUSION PROTEIN	Australia	Granted	23-May-1997	32143/97	31-Aug-2000	719929
PAT050964-BE-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Belgium	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-CA-PCT	MULTIPLE EPITOPE FUSION PROTEIN	Canada	Granted	23-May-1997	2250723	17-Jul-2012	2250723
PAT050964-CH-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Switzerland	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-DE-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Germany	Granted	23-May-1997	97927767.0	30-Nov-2005	69734776.1
PAT050964-DK-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Denmark	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-EP-EPT	MULTIPLE EPITOPE FUSION PROTEIN	European Procedure	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-ES-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Spain	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-FI-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Finland	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-FR-EPT	MULTIPLE EPITOPE FUSION PROTEIN	France	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-GB-EPT	MULTIPLE EPITOPE FUSION PROTEIN	United Kingdom	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-GR-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Greece	Granted	23-May-1997	97927767.0	30-Nov-2005	3056641
PAT050964-IE-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Ireland	Granted	23-May-1997	97927767.0	30-Nov-2005	935662

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT050964-IL-PCT	MULTIPLE EPITOPE FUSION PROTEIN	Israel	Granted	23-May-1997	126460	5-Oct-2007	126460
PAT050964-IT-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Italy	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-JP-PCT	MULTIPLE EPITOPE FUSION PROTEIN	Japan	Granted	23-May-1997	09-542848	20-Apr-2007	3945822
PAT050964-LU-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Luxembourg	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-MC-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Monaco	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-NL-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Netherlands	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-NZ-PCT	MULTIPLE EPITOPE FUSION PROTEIN	New Zealand	Granted	23-May-1997	333431	7-Sep-2000	333431
PAT050964-PT-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Portugal	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-SE-EPT	MULTIPLE EPITOPE FUSION PROTEIN	Sweden	Granted	23-May-1997	97927767.0	30-Nov-2005	935662
PAT050964-US-CIP	MULTIPLE EPITOPE FUSION PROTEIN	United States of America	Granted	20-May-1997	08/859524	6-Aug-2002	6428792
PAT050964-US-CNT	MULTIPLE EPITOPE FUSION PROTEIN	United States of America	Granted	17-Jun-2002	10/174652	6-Jun-2006	7056658
PAT050964-US-NP01	MULTIPLE EPITOPE FUSION PROTEIN	United States of America	Granted	24-May-1996	08/653226	4-Feb-2003	6514731
PAT051056-US-CNT	HIV PROBES FOR USE IN SOLUTION PHASE SANDWICH HYBRIDIZATION ASSAYS	United States of America	Granted	17-Dec-1993	08/169715	9-Oct-2001	6300056
PAT051228-AT-EPT	HCV ASSAY	Austria	Granted	8-Sep-2003	03755795.6	8-Oct-2008	1546414
PAT051228-AU-PCT	HCV ASSAY	Australia	Granted	8-Sep-2003	2003273296	11-Mar-2010	2003273296
PAT051228-BE-EPT	HCV ASSAY	Belgium	Granted	8-Sep-2003	03755795.6	8-Oct-2008	1546414
PAT051228-BR-PCT	HCV ASSAY	Brazil	Pending	8-Sep-2003	PI0314166-7		
PAT051228-CA-PCT	HCV ASSAY	Canada	Granted	8-Sep-2003	2498228	22-Mar-2011	2498228
PAT051228-CH-EPT	HCV ASSAY	Switzerland	Granted	8-Sep-2003	03755795.6	8-Oct-2008	1546414
PAT051228-CN-PCT	HCV ASSAY	China	Granted	8-Sep-2003	3824965	26-May-2010	3824965
PAT051228-DE-EPT	HCV ASSAY	Germany	Granted	8-Sep-2003	03755795.6	8-Oct-2008	60324003.8
PAT051228-ES-EPT	HCV ASSAY	Spain	Granted	8-Sep-2003	03755795.6	8-Oct-2008	1546414
PAT051228-FR-EPT	HCV ASSAY	France	Granted	8-Sep-2003	03755795.6	8-Oct-2008	1546414
PAT051228-GB-EPT	HCV ASSAY	United Kingdom	Granted	8-Sep-2003	03755795.6	8-Oct-2008	1546414
PAT051228-IE-EPT	HCV ASSAY	Ireland	Granted	8-Sep-2003	03755795.6	8-Oct-2008	1546414
PAT051228-IT-EPT	HCV ASSAY	Italy	Granted	8-Sep-2003	03755795.6	8-Oct-2008	1546414
PAT051228-JP-PCT	HCV ASSAY	Japan	Granted	8-Sep-2003	2004-534744	10-Sep-2010	4585314
PAT051228-MX-PCT	HCV ASSAY	Mexico	Granted	8-Sep-2003	PA/a/05/002641	12-Sep-2008	260552
PAT051228-NL-EPT	HCV ASSAY	Netherlands	Granted	8-Sep-2003	03755795.6	8-Oct-2008	1546414
PAT051228-NO-PCT	HCV ASSAY	Norway	Pending	8-Sep-2003	20051715		
PAT051228-NZ-PCT	HCV ASSAY	New Zealand	Granted	8-Sep-2003	538711	10-May-2007	538711

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051228-PL-PCT	HCV ASSAY	Poland	Granted	8-Sep-2003	P375600	18-Apr-2011	209710
PAT051228-US-NP	HCV ASSAY	United States of America	Granted	8-Sep-2003	10/658782	23-Jan-2007	7166426
PAT051239-AU-PCT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	Australia	Granted	12-Jun-2003	2003276719	25-Jun-2009	2003276719
PAT051239-CH-EPT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	Switzerland	Granted	12-Jun-2003	03741986.8	23-Jan-2013	1552022
PAT051239-CN-PCTD	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	China	Pending	15-Mar-2012	201210079564		
PAT051239-DE-EPT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	Germany	Granted	12-Jun-2003	03741986.8	23-Jan-2013	60343183.6
PAT051239-EP-EPT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	European Procedure	Granted	12-Jun-2003	03741986.8	23-Jan-2013	1552022
PAT051239-ES-EPT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	Spain	Granted	12-Jun-2003	03741986.8	23-Jan-2013	1552022
PAT051239-FR-EPT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	France	Granted	12-Jun-2003	03741986.8	23-Jan-2013	1552022
PAT051239-GB-EPT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	United Kingdom	Granted	12-Jun-2003	03741986.8	23-Jan-2013	1552022
PAT051239-IT-EPT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	Italy	Granted	12-Jun-2003	03741986.8	23-Jan-2013	1552022
PAT051239-JP-PCT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	Japan	Granted	12-Jun-2003	2004-513454	13-Sep-2013	5361109

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051239-JP-PCTD	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	Japan	Pending	12-Jun-2003	2009-178917		
PAT051239-JP-PCTD02	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	Japan	Pending	16-May-2013	2013-103892		
PAT051239-RU-PCT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	Russian Federation	Granted	12-Jun-2003	2005100511	20-Dec-2010	2406762
PAT051239-US-CNT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF HEPATITIS A VIRAL NUCLEIC ACID	United States of America	Pending	21-Nov-2011	13/301599		
PAT051388-AT-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Austria	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-BE-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Belgium	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-CA-PCT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Canada	Granted	20-Nov-2000	2392075	4-Jan-2011	2392075
PAT051388-CH-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Switzerland	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-CY-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Cyprus (Republic)	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-DE-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Germany	Granted	20-Nov-2000	00979837.2	12-Sep-2007	60036403.8
PAT051388-DK-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Denmark	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-ES-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Spain	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-FI-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Finland	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051388-FR-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	France	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-GB-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	United Kingdom	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-GR-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Greece	Granted	20-Nov-2000	00979837.2	12-Sep-2007	3063757
PAT051388-IE-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Ireland	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-IT-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Italy	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-JP-PCT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Japan	Pending	20-Nov-2000	2001-538480	4-Feb-2011	4675017
PAT051388-LU-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Luxembourg	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-MC-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Monaco	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-NL-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Netherlands	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-PT-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Portugal	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-SE-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Sweden	Granted	20-Nov-2000	00979837.2	12-Sep-2007	1230347
PAT051388-TR-EPT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	Turkey	Granted	20-Nov-2000	00979837.2	12-Sep-2007	TR200708411
PAT051388-US-PCT	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	United States of America	Granted	26-Feb-2003	10/130467	3-Apr-2007	7198923
PAT051388-US-PCTD	METHOD FOR THE PREPARATION OF PURIFIED HCV RNA BY EXOSOME SEPARATION	United States of America	Granted	30-Jan-2007	11/699925	5-Oct-2010	7807438

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051430-US-CNT03	Selected peptides of the group-specific antigen [GAG] of Human Immunodeficiency Virus [HIV], the preparation and use thereof	United States of America	Expired	13-Dec-1994	08/356798	18-Mar-1997	5612453
PAT051470-AT-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Austria	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-BE-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Belgium	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-BG-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Bulgaria	Granted	14-Jun-2001	107 441	5-Apr-2012	66205
PAT051470-BR-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Brazil	Pending	14-Jun-2001	PI0111731-9		
PAT051470-BY-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Belarus	Granted	14-Jun-2001	a20030031	30-Apr-2007	9207
PAT051470-CA-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Canada	Granted	14-Jun-2001	2412035	10-Apr-2012	2412035
PAT051470-CH-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Switzerland	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-CN-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	China	Granted	14-Jun-2001	1811243.9	17-May-2006	1811243.9
PAT051470-CY-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Cyprus (Republic)	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-CZ-NP	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Czech Republic	Filed	14-Jun-2001	2002-4058		
PAT051470-DE-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Germany	Granted	14-Jun-2001	01952160.8	13-Dec-2006	60125240.3
PAT051470-DK-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Denmark	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-EP-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	European Procedure	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-ES-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Spain	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-FI-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Finland	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-FR-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	France	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-GB-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	United Kingdom	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-GR-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Greece	Granted	14-Jun-2001	01952160.8	13-Dec-2006	3061195
PAT051470-HU-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Hungary	Granted	14-Jun-2001	P0500444	14-May-2013	228873
PAT051470-IE-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Ireland	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051470-IT-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Italy	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-JP-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Japan	Granted	14-Jun-2001	2002-510953	30-Sep-2011	4834279
PAT051470-LU-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Luxembourg	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-MC-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Monaco	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-MX-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Mexico	Granted	14-Jun-2001	PA/a/02/012424	9-Feb-2006	234280
PAT051470-NL-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Netherlands	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-NO-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Norway	Granted	14-Jun-2001	20025878	13-Aug-2012	332275
PAT051470-PL-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Poland	Granted	14-Jun-2001	P365599	17-Jul-2012	213363
PAT051470-PT-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Portugal	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-RU-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Russian Federation	Granted	14-Jun-2001	2003100884	20-Apr-2006	2274863
PAT051470-SE-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Sweden	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-SG-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Singapore	Granted	14-Jun-2001	200207441-7	29-Jul-2005	93587
PAT051470-SI-EPT01	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Slovenia	Granted	14-Jun-2001	01952160.8	13-Dec-2006	1354204
PAT051470-SK-PCT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Slovakia	Granted	14-Jun-2001	1777-2002	14-Apr-2011	287 694
PAT051470-TR-EPT	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	Turkey	Granted	14-Jun-2001	01952160.8	13-Dec-2006	TR200701494
PAT051470-US-DIV	POLYNUCLEOTIDES ENCODING A MULTIPLE EPITOPE FUSION ANTIGEN FOR USE IN AN HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	United States of America	Granted	19-Aug-2003	10/643853	15-Jan-2008	7319144
PAT051470-US-NP	HCV ANTIGEN/ANTIBODY COMBINATION ASSAY	United States of America	Granted	14-Jun-2001	09/881239	7-Oct-2003	6630298
PAT051477-AT-EPT	STRUCTURE-BASED DRUG DESIGN METHOD TO IDENTIFY COMPOUNDS THAT BIND TO CD81, A CELL RECEPTOR FOR HEPATITIS-C	Austria	Granted	3-Jul-2001	01954282.8	24-May-2006	1297015
PAT051477-DE-EPT	STRUCTURE-BASED DRUG DESIGN METHOD TO IDENTIFY COMPOUNDS THAT BIND TO CD81, A CELL RECEPTOR FOR HEPATITIS-C	Germany	Granted	3-Jul-2001	01954282.8	24-May-2006	60119929.4

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051477-ES-EPT	STRUCTURE-BASED DRUG DESIGN METHOD TO IDENTIFY COMPOUNDS THAT BIND TO CD81, A CELL RECEPTOR FOR HEPATITIS-C	Spain	Granted	3-Jul-2001	01954282.8	24-May-2006	1297015
PAT051477-FR-EPT	STRUCTURE-BASED DRUG DESIGN METHOD TO IDENTIFY COMPOUNDS THAT BIND TO CD81, A CELL RECEPTOR FOR HEPATITIS-C	France	Granted	3-Jul-2001	01954282.8	24-May-2006	1297015
PAT051477-GB-EPT	STRUCTURE-BASED DRUG DESIGN METHOD TO IDENTIFY COMPOUNDS THAT BIND TO CD81, A CELL RECEPTOR FOR HEPATITIS-C	United Kingdom	Granted	3-Jul-2001	01954282.8	24-May-2006	1297015
PAT051477-IT-EPT	STRUCTURE-BASED DRUG DESIGN METHOD TO IDENTIFY COMPOUNDS THAT BIND TO CD81, A CELL RECEPTOR FOR HEPATITIS-C	Italy	Granted	3-Jul-2001	01954282.8	24-May-2006	1297015
PAT051477-MC-EPT	STRUCTURE-BASED DRUG DESIGN METHOD TO IDENTIFY COMPOUNDS THAT BIND TO CD81, A CELL RECEPTOR FOR HEPATITIS-C	Monaco	Granted	3-Jul-2001	01954282.8	24-May-2006	1297015
PAT051477-NL-EPT	STRUCTURE-BASED DRUG DESIGN METHOD TO IDENTIFY COMPOUNDS THAT BIND TO CD81, A CELL RECEPTOR FOR HEPATITIS-C	Netherlands	Granted	3-Jul-2001	01954282.8	24-May-2006	1297015
PAT051477-US-PCT	STRUCTURE-BASED HEPATITIS C VIRUS DRUG DESIGN	United States of America	Granted	3-Jul-2001	10/312490	2-Feb-2010	7657385
PAT051478-AT-EPT	Modulation of Tetraspanin Function	Austria	Granted	3-Jul-2001	01954288.5	7-Jun-2006	1301536
PAT051478-BE-EPT	Modulation of Tetraspanin Function	Belgium	Granted	3-Jul-2001	01954288.5	7-Jun-2006	1301536
PAT051478-CH-EPT	Modulation of Tetraspanin Function	Switzerland	Granted	3-Jul-2001	01954288.5	7-Jun-2006	1301536
PAT051478-DE-EPT	Modulation of Tetraspanin Function	Germany	Granted	3-Jul-2001	01954288.5	7-Jun-2006	60120410.7
PAT051478-FR-EPT	Modulation of Tetraspanin Function	France	Granted	3-Jul-2001	01954288.5	7-Jun-2006	1301536
PAT051478-GB-EPT	Modulation of Tetraspanin Function	United Kingdom	Granted	3-Jul-2001	01954288.5	7-Jun-2006	1301536
PAT051478-IE-EPT	Modulation of Tetraspanin Function	Ireland	Granted	3-Jul-2001	01954288.5	7-Jun-2006	1301536
PAT051478-IT-EPT	Modulation of Tetraspanin Function	Italy	Granted	3-Jul-2001	01954288.5	7-Jun-2006	1301536
PAT051478-LU-EPT	Modulation of Tetraspanin Function	Luxembourg	Granted	3-Jul-2001	01954288.5	7-Jun-2006	1301536
PAT051478-MC-EPT	Modulation of Tetraspanin Function	Monaco	Granted	3-Jul-2001	01954288.5	7-Jun-2006	1301536
PAT051478-US-PCT	Modulation of Tetraspanin Function	United States of America	Granted	3-Jul-2001	10/312491	7-Aug-2007	7252958
PAT051504-AT-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Austria	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-BE-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Belgium	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051504-BR-PCT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Brazil	Pending	14-Jun-2001	PI0111682-7		
PAT051504-CA-PCT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Canada	Granted	14-Jun-2001	2413003	13-Aug-2013	2413003
PAT051504-CH-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Switzerland	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-CH-ETD	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Switzerland	Granted	14-Jun-2001	07008125.2	26-Dec-2012	1829891
PAT051504-CN-PCT02	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	China	Granted	14-Jun-2001	1811246.3	10-Aug-2005	1811246.3
PAT051504-CN-PCTD	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	China	Granted	14-Jun-2001	200410011660.6	25-Feb-2009	200410011660.6
PAT051504-CY-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Cyprus (Republic)	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-DE-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Germany	Granted	14-Jun-2001	01952156.6	25-Jul-2007	60129598.6
PAT051504-DE-ETD	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Germany	Granted	14-Jun-2001	07008125.2	26-Dec-2012	60147539.9
PAT051504-DK-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Denmark	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-EP-ETD	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	European Procedure	Granted	14-Jun-2001	07008125.2	26-Dec-2012	1829891
PAT051504-ES-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Spain	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-FI-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Finland	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-FR-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	France	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-FR-ETD	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	France	Granted	14-Jun-2001	07008125.2	26-Dec-2012	1829891
PAT051504-GB-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	United Kingdom	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-GB-ETD	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	United Kingdom	Granted	14-Jun-2001	07008125.2	26-Dec-2012	1829891
PAT051504-GR-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Greece	Granted	14-Jun-2001	01952156.6	25-Jul-2007	3062848
PAT051504-HK-FPR01	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Hong Kong	Granted	14-Jun-2001	4104878.5	30-Dec-2005	1061861
PAT051504-HK-FPR02	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Hong Kong	Granted	14-Jun-2001	5111793.1	16-Oct-2009	1079796
PAT051504-IE-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Ireland	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-IT-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Italy	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051504-IT-ETD	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Italy	Granted	14-Jun-2001	07008125.2	26-Dec-2012	1829891
PAT051504-JP-PCT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Japan	Granted	14-Jun-2001	2002-510948	7-Oct-2011	4837229
PAT051504-LU-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Luxembourg	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-MC-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Monaco	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-MX-PCT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Mexico	Granted	14-Jun-2001	PA/a/02/012401	18-Sep-2008	260674
PAT051504-NL-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Netherlands	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-PT-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Portugal	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-SE-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Sweden	Granted	14-Jun-2001	01952156.6	25-Jul-2007	1350105
PAT051504-TR-EPT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	Turkey	Granted	14-Jun-2001	01952156.6	25-Jul-2007	TR200707273
PAT051504-US-CNT	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	United States of America	Granted	26-Jul-2004	10/899715	10-Jul-2007	7241879
PAT051504-US-DIV	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	United States of America	Granted	8-Aug-2003	10/637323	28-Sep-2004	6797809
PAT051504-US-NP	IMMUNOASSAYS FOR ANTI-HCV ANTIBODIES	United States of America	Granted	14-Jun-2001	09/881654	14-Oct-2003	6632601
PAT051514-AU-PCT	DIAGNOSTIC ASSAYS FOR PARVOVIRUS B19	Australia	Granted	28-Jun-2002	2002318450	6-Mar-2008	2002318450
PAT051514-AU-PCTD	DIAGNOSTIC ASSAYS FOR PARVOVIRUS B19	Australia	Granted	5-Nov-2007	2007231822	12-May-2011	2007231822
PAT051514-CN-PCT	DIAGNOSTIC ASSAYS FOR PARVOVIRUS B19	China	Granted	28-Jun-2002	2812816.8	4-Jul-2007	2812816.8
PAT051514-EP-EPT	DIAGNOSTIC ASSAYS FOR PARVOVIRUS B19	European Procedure	Pending	28-Jun-2002	02748013.6		
PAT051514-JP-PCTD02	DIAGNOSTIC ASSAYS FOR PARVOVIRUS B19	Japan	Pending	11-Nov-2011	2011-247977		
PAT051514-RU-PCT	DIAGNOSTIC ASSAYS FOR PARVOVIRUS B19	Russian Federation	Granted	28-Jun-2002	2004102205	10-Jun-2007	2301263
PAT051514-US-NP	DIAGNOSTIC ASSAYS FOR PARVOVIRUS B19	United States of America	Granted	28-Jun-2002	10/187253	30-Aug-2005	6936442
PAT051533-AT-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Austria	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-BE-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Belgium	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-CA-PCT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Canada	Granted	22-Sep-1998	2303123	11-Apr-2006	2303123

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051533-CA-PCT01	BUFFERS FOR STABILIZING ANTIGENS	Canada	Granted	22-Sep-1998	2303165	11-Jul-2006	2303165
PAT051533-CH-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Switzerland	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-CH-EPT02	BUFFERS FOR STABILIZING ANTIGENS	Switzerland	Granted	22-Sep-1998	98948399.5	10-Dec-2008	1021723
PAT051533-CY-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Cyprus (Republic)	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-DE-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Germany	Granted	22-Sep-1998	98948398.7	21-Feb-2007	69837155
PAT051533-DE-EPT02	BUFFERS FOR STABILIZING ANTIGENS	Germany	Granted	22-Sep-1998	98948399.5	10-Dec-2008	69840334.7
PAT051533-DK-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Denmark	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-ES-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Spain	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-ES-EPT02	BUFFERS FOR STABILIZING ANTIGENS	Spain	Granted	22-Sep-1998	98948399.5	10-Dec-2008	1021723
PAT051533-FI-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Finland	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-FR-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	France	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-FR-EPT02	BUFFERS FOR STABILIZING ANTIGENS	France	Granted	22-Sep-1998	98948399.5	10-Dec-2008	1021723
PAT051533-GB-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	United Kingdom	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-GB-EPT02	BUFFERS FOR STABILIZING ANTIGENS	United Kingdom	Granted	22-Sep-1998	98948399.5	10-Dec-2008	1021723
PAT051533-GR-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Greece	Granted	22-Sep-1998	98948398.7	21-Feb-2007	3061416
PAT051533-IE-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Ireland	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-IT-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Italy	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-IT-EPT02	BUFFERS FOR STABILIZING ANTIGENS	Italy	Granted	22-Sep-1998	98948399.5	10-Dec-2008	1021723
PAT051533-JP-PCT	BUFFERS FOR STABILIZING ANTIGENS	Japan	Pending	22-Sep-1998	2000-513148	18-Dec-2009	4427182
PAT051533-JP-PCT01	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Japan	Granted	22-Sep-1998	2000-513145	16-May-2008	4124961
PAT051533-LU-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Luxembourg	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-MC-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Monaco	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-NL-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Netherlands	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-NL-EPT02	BUFFERS FOR STABILIZING ANTIGENS	Netherlands	Granted	22-Sep-1998	98948399.5	10-Dec-2008	1021723
PAT051533-PT-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Portugal	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051533-SE-EPT	METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	Sweden	Granted	22-Sep-1998	98948398.7	21-Feb-2007	1021719
PAT051533-SE-EPT02	BUFFERS FOR STABILIZING ANTIGENS	Sweden	Granted	22-Sep-1998	98948399.5	10-Dec-2008	1021723
PAT051533-US-CNT01	BUFFERS FOR STABILIZING ANTIGENS	United States of America	Granted	2-Feb-2001	09/775962	25-Mar-2003	6537745
PAT051533-US-NP	BUFFERS FOR STABILIZING ANTIGENS	United States of America	Granted	22-Sep-1998	09/158815	17-Jul-2001	6261764
PAT051534-AT-EPT	HEPATITIS C VIRAL ANTIGEN	Austria	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-BE-EPT	IMMUNOASSAY DETECTION SYSTEMS	Belgium	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-CA-PCT	HEPATITIS C VIRAL ANTIGEN	Canada	Granted	25-Jul-2000	2380777	4-Jan-2011	2380777
PAT051534-CH-EPT	IMMUNOASSAY DETECTION SYSTEMS	Switzerland	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-CY-EPT	HEPATITIS C VIRAL ANTIGEN	Cyprus (Republic)	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-DE-EPT	IMMUNOASSAY DETECTION SYSTEMS	Germany	Granted	25-Jul-2000	00952184.0	24-Jan-2007	60033190
PAT051534-DK-EPT	HEPATITIS C VIRAL ANTIGEN	Denmark	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-ES-EPT	IMMUNOASSAY DETECTION SYSTEMS	Spain	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-FI-EPT	IMMUNOASSAY DETECTION SYSTEMS	Finland	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-FR-EPT	HEPATITIS C VIRAL ANTIGEN	France	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-GB-EPT	IMMUNOASSAY DETECTION SYSTEMS	United Kingdom	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-GR-EPT	HEPATITIS C VIRAL ANTIGEN	Greece	Granted	25-Jul-2000	00952184.0	24-Jan-2007	3061008
PAT051534-IE-EPT	IMMUNOASSAY DETECTION SYSTEMS	Ireland	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-IT-EPT	HEPATITIS C VIRAL ANTIGEN	Italy	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-JP-PCT	IMMUNOASSAY DETECTION SYSTEMS	Japan	Pending	25-Jul-2000	2001-514569		
PAT051534-JP-PCTD	HEPATITIS C VIRAL ANTIGEN	Japan	Pending	25-Jul-2000	2009-275000		
PAT051534-LU-EPT	IMMUNOASSAY DETECTION SYSTEMS	Luxembourg	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-MC-EPT	HEPATITIS C VIRAL ANTIGEN	Monaco	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
	IMMUNOASSAY DETECTION SYSTEMS						

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051534-NL-EPT	HEPATITIS C VIRAL ANTIGEN IMMUNOASSAY DETECTION SYSTEMS	Netherlands	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-PT-EPT	HEPATITIS C VIRAL ANTIGEN IMMUNOASSAY DETECTION SYSTEMS	Portugal	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-SE-EPT	HEPATITIS C VIRAL ANTIGEN IMMUNOASSAY DETECTION SYSTEMS	Sweden	Granted	25-Jul-2000	00952184.0	24-Jan-2007	1295126
PAT051534-US-CNT	HEPATITIS C VIRAL ANTIGEN IMMUNOASSAY DETECTION SYSTEMS	United States of America	Granted	7-Apr-2004	10/820922	19-Sep-2006	7108967
PAT051534-US-PCT	HEPATITIS C VIRAL ANTIGEN IMMUNOASSAY DETECTION SYSTEMS	United States of America	Granted	25-Jul-2000	10/048191	9-Nov-2004	6815160
PAT051559-US-NP	IMMUNOASSAY DETECTION SYSTEMS METHOD FOR DETECTING ANTIBODIES IN A SAMPLE	United States of America	Granted	22-Sep-1998	09/158301	21-May-2002	6391540
PAT051604-US-NP	HEPATITIS A VIRUS NUCLEOTIDE SEQUENCES, RECOMBINANT PROTEINS AND AMINO ACIDS THEREOF	United States of America	Granted	15-Oct-2002	10/272459	13-Sep-2005	6942965
PAT051768-AT-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Austria	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-BE-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Belgium	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-CA-PCT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Canada	Pending	7-Jun-2005	2569561		
PAT051768-CH-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Switzerland	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-CN-PCT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	China	Granted	7-Jun-2005	200580018286.5	20-Mar-2013	200580018286.5
PAT051768-CZ-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Czech Republic	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-DE-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Germany	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-EP-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	European Procedure	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-ES-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Spain	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098

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PAT051768-FI-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Finland	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-FR-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	France	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-GB-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	United Kingdom	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-GR-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Greece	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-HU-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Hungary	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-IE-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Ireland	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-IT-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Italy	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-JP-PCT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Japan	Granted	7-Jun-2005	2007-527715	1-Mar-2013	5209309
PAT051768-JP-PCTD	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Japan	Pending	8-May-2012	2012-106831		
PAT051768-KR-PCT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	South Korea / Republic of Korea	Granted	7-Jun-2005	10-2006-7026757		10-2007-0034505
PAT051768-MX-PCT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Mexico	Granted	7-Jun-2005	PA/a/2006/013933	26-Sep-2011	290471
PAT051768-NL-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Netherlands	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-PL-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Poland	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-PT-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Portugal	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098

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PAT051768-SE-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Sweden	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-SK-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Slovakia	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-TR-EPT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	Turkey	Granted	7-Jun-2005	05857448.4	7-May-2014	EP1766098
PAT051768-US-CNT	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	United States of America	Granted	27-Oct-2008	12/290096	8-May-2012	8173375
PAT051768-US-NP	RABBIT MONOCLONAL ANTIBODIES TO HEPATITIS B SURFACE ANTIGENS AND METHODS OF USING THE SAME	United States of America	Granted	7-Jun-2005	11/148012	21-Jul-2009	7563873
PAT051858-CH-EPT	HCV MULTIPLE EPITOPE FUSION ANTIGENS WITH MODIFIED PROTEOLYTIC CLEAVAGE SITES AND USES THEREOF	Switzerland	Granted	26-Aug-2005	05814007.0	5-Oct-2011	1802778
PAT051858-DE-EPT	HCV MULTIPLE EPITOPE FUSION ANTIGENS WITH MODIFIED PROTEOLYTIC CLEAVAGE SITES AND USES THEREOF	Germany	Granted	26-Aug-2005	05814007.0	5-Oct-2011	602005030488.6
PAT051858-ES-EPT	HCV MULTIPLE EPITOPE FUSION ANTIGENS WITH MODIFIED PROTEOLYTIC CLEAVAGE SITES AND USES THEREOF	Spain	Granted	26-Aug-2005	05814007.0	5-Oct-2011	1802778
PAT051858-FR-EPT	HCV MULTIPLE EPITOPE FUSION ANTIGENS WITH MODIFIED PROTEOLYTIC CLEAVAGE SITES AND USES THEREOF	France	Granted	26-Aug-2005	05814007.0	5-Oct-2011	1802778
PAT051858-GB-EPT	HCV MULTIPLE EPITOPE FUSION ANTIGENS WITH MODIFIED PROTEOLYTIC CLEAVAGE SITES AND USES THEREOF	United Kingdom	Granted	26-Aug-2005	05814007.0	5-Oct-2011	1802778
PAT051858-IT-EPT	HCV MULTIPLE EPITOPE FUSION ANTIGENS WITH MODIFIED PROTEOLYTIC CLEAVAGE SITES AND USES THEREOF	Italy	Granted	26-Aug-2005	05814007.0	5-Oct-2011	1802778
PAT051858-JP-PCT	HCV MULTIPLE EPITOPE FUSION ANTIGENS WITH MODIFIED PROTEOLYTIC CLEAVAGE SITES AND USES THEREOF	Japan	Granted	26-Aug-2005	2007-530138	24-Aug-2012	5070055

Case Reference	Internal Title	Country	Current Status	Filing	Filing Number	Granted	Grant Number
PAT051858-US-PCT	HCV MULTIPLE EPIOTOPE FUSION ANTIGENS WITH MODIFIED PROTEOLYTIC CLEAVAGE SITES AND USES THEREOF	United States of America	Granted	26-Aug-2005	11/661577	18-Jan-2011	7871625
PAT051914-CA-PCT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF WEST NILE VIRUS	Canada	Granted	5-Dec-2003	2509520	20-Aug-2013	2509520
PAT051914-MX-PCT	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF WEST NILE VIRUS	Mexico	Granted	5-Dec-2003	PA/a/05/006158	21-Nov-2008	262390
PAT051914-MX-PCTD	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF WEST NILE VIRUS	Mexico	Pending	23-May-2008	MX/a/08/006713		
PAT051914-US-CNT02	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF WEST NILE VIRUS	United States of America	Granted	15-Apr-2011	13/088273	8-Oct-2013	8551706
PAT051914-US-DIV01	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF WEST NILE VIRUS	United States of America	Granted	20-Oct-2006	11/584253	19-Apr-2011	7927839
PAT051914-US-DIV02	IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE, DETECTION AND QUANTITATION OF WEST NILE VIRUS	United States of America	Granted	20-Oct-2006	11/584252	5-Oct-2010	7807813