

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3630359

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DEPUY SPINE, LLC	12/30/2012
RECEIVING PARTY DATA		
Name:	HAND INNOVATIONS LLC	
Street Address:	8905 SW 87TH AVENUE	
Internal Address:	SUITE 220	
City:	MIAMI	
State/Country:	FLORIDA	
Postal Code:	33176	
PROPERTY NUMBERS Total: 4		
	Property Type	Number
	Patent Number:	8034329
	Patent Number:	8703121
	Patent Number:	8722034
	Patent Number:	8734527
CORRESPONDENCE DATA		
Fax Number:	(202)344-8300	
<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:	202-344-4000	
Email:	jchall@venable.com, ipdocketing@venable.com	
Correspondent Name:	VENABLE LLP	
Address Line 1:	575 7TH STREET, NW	
Address Line 4:	WASHINGTON, D.C. 20004	
ATTORNEY DOCKET NUMBER:	18668	
NAME OF SUBMITTER:	TONI-JUNELL HERBERT	
SIGNATURE:	/Toni-Junell Herbert/	
DATE SIGNED:	11/24/2015	
Total Attachments: 10		
source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page1.tif		

source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page2.tif
source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page3.tif
source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page4.tif
source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page5.tif
source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page6.tif
source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page7.tif
source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page8.tif
source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page9.tif
source=Step D - DePuy Spine LLC transfers certain assets to Hand Innovations LLC#page10.tif

**STEP D – DEPUY SPINE LLC
TRANSFERS CERTAIN ASSETS TO HAND INNOVATIONS LLC**

GENERAL ASSIGNMENT AND ASSUMPTION

Pursuant to the terms and conditions of that certain Contribution Agreement, dated as of December 30, 2012 (the "Agreement"), by and between DePuy Spine, LLC, an Ohio limited liability company (the "Contributor"), and Hand Innovations LLC, a Delaware limited liability company (the "Recipient"), the Contributor, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby transfer, assign, convey, and deliver unto the Recipient, or, in the case of real property, at the direction of the Recipient, as of the date set forth above, the assets set forth on Schedule A (Step 17-4) attached hereto and all of the Contributor's rights, title and interest therein.

The Recipient covenants and agrees that as of the date set forth above, the Recipient hereby assumes the obligations and duties of the Contributor set forth on Schedule B (Step 17-4) attached hereto as required by the terms of the Agreement, and the Recipient shall be bound by the terms of the governing agreements, commitments and instruments that it is required to assume by the terms of the Agreement with the same force and effect as if such Recipient was an original party to such governing agreements, commitments and instruments.

[Signature Page Follows]

IN WITNESS WHEREOF, the parties hereto have executed this General Assignment and Assumption to be effective as of the date first above written.

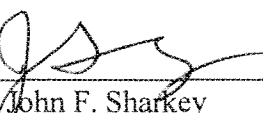
DATED: December 30, 2012

DEPUY SPINE, LLC

By: 
Name: John F. Sharkey
Title: Assistant Secretary

DATED: December 30, 2012

HAND INNOVATIONS LLC

By: 
Name: John F. Sharkey
Title: Assistant Secretary

[SIGNATURE PAGE OF GENERAL ASSIGNMENT AND ASSUMPTION]

Schedule A (Step 17-4)

Contributed Assets

DePuy Spine, LLC

(a) Other than the Excluded Assets as provided in (o) below, all intellectual property owned by the Contributor on the Effective Date, including:

(i) all inventions (whether patentable or unpatentable and whether or not reduced to practice); all improvements to any inventions; and all patents, patent applications, patent disclosures, utility models, certificates of invention and industrial designs, together with all reissuances, continuations, continuations-in-part, divisionals, extensions, and reexaminations, and any patent or patent application that claims priority to any of the foregoing, including without limitation the properties listed in Schedule A-1 (Step 17-4);

[REDACTED]

[REDACTED]

(iv) all claims or rights of action arising out of or related to any infringement, misappropriation or other violation of the foregoing intellectual property listed in (a)(i) [REDACTED] including rights to recover damages for past, present and future violations thereof;

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(f) All intellectual property assets owned by Advanced Technologies and Regenerative Medicine, LLC, a Delaware limited liability company ("ATRM") (collectively, the "ATRM Assets"), and received by DePuy Spine, Inc. (now known as DePuy Spine, LLC) pursuant to the DePuy Orthopaedics Agreement, and received by DePuy Orthopaedics pursuant to the terms and conditions of that certain Agreement and Plan of Merger, effective as of December 30, 2012 ("ATRM Merger Agreement"), by and between ATRM and DePuy Orthopaedics, including, without limitation, the assets listed in Schedule A-4 (Step 17-4);

[REDACTED]

[REDACTED]

[REDACTED]

Schedule A-4 (Step 17-4)

Intellectual Property Assets of
Advanced Technologies and Regenerative Medicine, LLC

(a) Other than the ATRM Excluded Assets as provided in (c) below, all intellectual property owned by ATRM and received the Contributor pursuant to the DePuy Orthopaedics Agreement, and received by DePuy Orthopaedics pursuant to the ATRM Merger Agreement, including:

(i) all inventions (whether patentable or unpatentable and whether or not reduced to practice); all improvements to any inventions; and all patents, patent applications, patent disclosures, utility models, certificates of invention and industrial designs, together with all reissuances, continuations, continuations-in-part, divisionals, extensions, and reexaminations, and any patent or patent application that claims priority to any of the foregoing, including without limitation the properties listed in Schedule A-4.1 (Step 17-4);

[REDACTED]

[REDACTED]

(iv) all claims or rights of action arising out of or related to any infringement, misappropriation or other violation of the foregoing intellectual property listed in (a)(i) [REDACTED] including rights to recover damages for past, present and future violations thereof;

[REDACTED]

[REDACTED]

[REDACTED]

Schedule A-4.1. (Step 17-4)

Advanced Technologies and Regenerative Medicine, LLC

[See Attached]

Int. Ref.	App. No.	Filing Date	Pat. No.	Country	Issue Date	Title	Memotech Owner Company
ETH5073USNP6				US		CELLS ISOLATED FROM POST-PARTUM TISSUE	ATRM
ETH5073USNP4	10/877445	25/JUN/2004		US		POSTPARTUM-DERIVED CELLS FOR USE IN TREATMENT OF DISEASE OF THE HEART AND CIRCULATORY SYSTEM	ATRM
ETH5073USCIP3	11/315897	22/DEC/2005		US		POSTPARTUM CELLS DERIVED FROM UMBILICAL CORD TISSUE, AND METHODS OF MAKING AND USING SAME	ATRM
ETH5073USCIP4	11/315898	22/DEC/2005	7875272	US	25/JAN/2011	TREATMENT OF STROKE AND OTHER ACUTE NEURAL DEGENERATIVE DISORDERS USING POSTPARTUM-DERIVED CELLS	ATRM
ETH5073USDIV4	11/317574	23/DEC/2005		US		REPAIR AND REGENERATION OF OCULAR TISSUE USING POSTPARTUM-DERIVED CELLS	ATRM
ETH5073CAPCT6	2530255	25/JUN/2004		CA		SOFT TISSUE REPAIR AND REGENERATION AND USING POSTPARTUM-DERIVED CELLS	ATRM
ETH5073USDIV5	11/322372	30/DEC/2005		US		POSTPARTUM-DERIVED CELLS FOR USE IN TREATMENT OF DISEASE OF THE HEART AND CIRCULATORY SYSTEM	ATRM
ETH5073CAPCT1	2530533	25/JUN/2004		CA		CELLS ISOLATED FROM POST-PARTUM TISSUE	ATRM
ETH5073CAPCT3	2530732	25/JUN/2004		CA		CELLS ISOLATED FROM POST-PARTUM TISSUE	ATRM
ETH5073WOPCT9	PCT/US2005/046782	22/DEC/2005		W/O		CELLS ISOLATED FROM POST-PARTUM TISSUE	ATRM
ETH5073USPCT9				US		CELLS ISOLATED FROM POST-PARTUM TISSUE	ATRM
ETH5073CAPCT5	2530421	25/JUN/2004		CA		CELLS ISOLATED FROM POST-PARTUM TISSUE	ATRM
ETH5073EPEPT2	04777231.4	25/JUN/2004		EP		CELLS ISOLATED FROM POST-PARTUM TISSUE	ATRM

Int. Ref.	App. No.	Filing Date	Pat. No.	Country	Issue Date	Title	Memotech Owner Company
ETH5222SGPCT	200804851-4	28/DEC/2006		SG		TREATMENT OF ISCHEMIC CONDITIONS USING POST-PARTUM DERIVED STEM CELLS	ATRM
ETH5222SGPCD1	201102201-9	28/DEC/2006		SG		TREATMENT OF ISCHEMIC CONDITIONS USING POST-PARTUM DERIVED STEM CELLS	ATRM
ETH5222USCIP1	13/206913	10/AUG/2011		US		TREATMENT OF PERIPHERAL VASCULAR DISEASE USING UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5222WOPCT1	PCT/US2011/047264	10/AUG/2011		WO		TREATMENT OF PERIPHERAL VASCULAR DISEASE USING UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5222USPCT1				US		TREATMENT OF PERIPHERAL VASCULAR DISEASE USING UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5367USPSP	61/015350	20/DEC/2007		US		METHODS FOR STERILIZING MATERIALS CONTAINING BIOLOGICALLY ACTIVE AGENTS	ATRM
ETH5367USNP	12/337425	17/DEC/2008	8236538	US	07/AUG/2012	METHODS FOR STERILIZING MATERIALS CONTAINING BIOLOGICALLY ACTIVE AGENTS	ATRM
ETH5367USDIV1	13/492175	08/JUN/2012		US		METHODS FOR STERILIZING MATERIALS CONTAINING BIOLOGICALLY ACTIVE AGENTS	ATRM
ETH5438USPSP	61/163619	26/MAR/2009		US		hUTC AS THERAPY FOR ALZHEIMER'S DISEASE	ATRM
ETH5438USNP	12/748170	26/MAR/2010		US		hUTC AS THERAPY FOR ALZHEIMER'S DISEASE	ATRM
ETH5438WOPCT0	PCT/US2010/028930	26/MAR/2010		WO		hUTC AS THERAPY FOR ALZHEIMER'S DISEASE	ATRM
ETH5438USPCT				US		hUTC AS THERAPY FOR ALZHEIMER'S DISEASE	ATRM
ETH5438EPEPT	10722837.1	26/MAR/2010		EP		HUMAN UMBILICAL CORD TISSUE CELLS AS THERAPY FOR ALZHEIMER'S DISEASE	ATRM

Int. Ref.	App. No.	Filing Date	Pat. No.	Country	Issue Date	Title	Memotech Owner Company
ETH5346USPCT				US		REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL TISSUE-DERIVED CELLS	ATRM
ETH5346USNP	12/245571	03/OCT/2008	8034329	US	11/OCT/2011	REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5346EPEPT	08835175.4	03/OCT/2008		EP		REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5346AUPCT	2008308531	03/OCT/2008		AU		REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5346BRPCT	P10818183-7	03/OCT/2008		BR		REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5346CAPCT	2701435	03/OCT/2008		CA		REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5346CNPCT	200880119184.6	03/OCT/2008		CN		REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5346INPCT	1601/KOLNP/10	03/OCT/2008		IN		REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5346JPPCT	2010-528176	03/OCT/2008		JP		REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM
ETH5346SGPCT	201002318-2	03/OCT/2008		SG		REPAIR AND REGENERATION OF RENAL TISSUE USING HUMAN UMBILICAL CORD TISSUE-DERIVED CELLS	ATRM

PATENT

RECORDED: 11/24/2015

REEL: 037131 FRAME: 0562