

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3272718

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHAD RYSHKUS	07/25/2011
DOUGLAS J. ROGER	07/24/2011
JONATHAN P. CRANDALL	07/25/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GREATBATCH LTD.
<b>Street Address:</b>	10000 WEHRLE DRIVE
<b>City:</b>	CLARENCE
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	14031
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14662536
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(716)759-5072
<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>	
<b>Phone:</b>	716-759-5810
<b>Email:</b>	dkraft@greatbatch.com
<b>Correspondent Name:</b>	GREATBATCH LTD.
<b>Address Line 1:</b>	10,000 WEHRLE DRIVE
<b>Address Line 4:</b>	CLARENCE, NEW YORK 14031
<b>ATTORNEY DOCKET NUMBER:</b>	ORTH-IND-0128
<b>NAME OF SUBMITTER:</b>	SANDRA HERNANDEZ
<b>SIGNATURE:</b>	/Sandra Hernandez/
<b>DATE SIGNED:</b>	03/19/2015
<b>Total Attachments: 4</b>	
source=ORTH-IND-0128-Assignment#page1.tif	
source=ORTH-IND-0128-Assignment#page2.tif	
source=ORTH-IND-0128-Assignment#page3.tif	
source=ORTH-IND-0128-Assignment#page4.tif	

## ASSIGNMENT OF INVENTION

WHEREAS, We, Chad Ryshkus, 4126 Felicia Run, Kansasville, Wisconsin, Douglas J. Roger, 24 Pebble Beach Drive, Rancho Mirage, California and Jonathan P. Crandall, 8110 Silver Springs Run, Fort Wayne, Indiana, have invented a certain new and useful improvement in **Retractor Tools For Minimally Invasive Hip Surgery.**

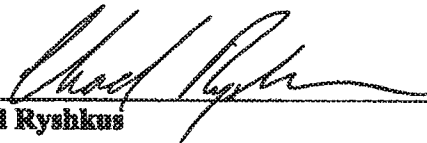
AND WHEREAS, Greatbatch Ltd., 10,000 Wehrle Drive, Clarence, New York, is desirous of acquiring all interest in said invention, any application for Letters Patent directed to said invention, and in any Letters Patent which may be granted therefore;

NOW THIS INDENTURE WITNESSETH, that for the sum of one dollar and other valuable consideration to us in hand paid, the receipt of which is hereby acknowledged, we hereby assign, sell, and transfer unto said Greatbatch Ltd., the entire right, title, and interest in said invention, said application, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights, rights under the International Convention For The Protection Of Industrial Property, rights under the Patent Cooperation Treaty, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to said Greatbatch Ltd. as the assignee of the whole right, title, and interest thereto.

And we further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and for obtaining any reissue or reissues of any Letters Patent which may be granted for our aforesaid invention, as the assignee thereof shall hereafter require and prepare at its own expense.

WITNESS, my hand and seal this 25 day of July, 2011.

  
Chad Ryshkus

WITNESS, my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
Jonathan P. Crandall

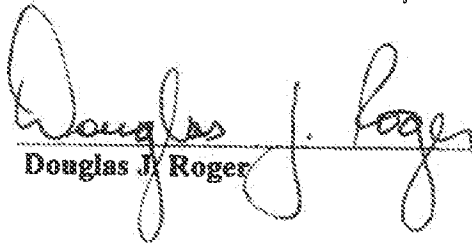
WITNESS, my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
Douglas J. Roger

WITNESS, my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
Chad Ryshkus

WITNESS, my hand and seal this 24 day of July, 2011.

  
\_\_\_\_\_  
Douglas J. Roger

WITNESS, my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
Jonathan P. Crandall

- 2 -

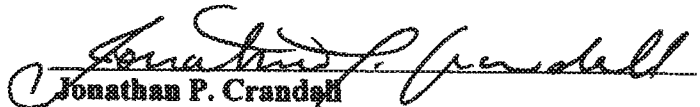
WITNESS, my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
Chad Ryshkus

WITNESS, my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
Douglas J. Roger

WITNESS, my hand and seal this 25 day of JULY, 2011.

  
Jonathan P. Crandall