

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GREATBATCH LTD.	02/12/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QIG GROUP, LLC
<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>	16367030
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(214)200-0853
<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>	2146515000
<b>Email:</b>	ipdocketing@haynesboone.com
<b>Correspondent Name:</b>	HAYNES AND BOONE, LLP
<b>Address Line 1:</b>	2323 VICTORY AVENUE
<b>Address Line 2:</b>	SUITE 700
<b>Address Line 4:</b>	DALLAS, TEXAS 75219
<b>ATTORNEY DOCKET NUMBER:</b>	46901.114US03
<b>NAME OF SUBMITTER:</b>	ELIZABETH BEASTERFIELD
<b>SIGNATURE:</b>	/Elizabeth Beasterfield/
<b>DATE SIGNED:</b>	08/29/2019
<b>Total Attachments: 9</b>	
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source=Assignment\_Greatbatch-to-QIG\_Group#page9.tif

PATENT ASSIGNMENT

WHEREAS, Greatbatch Ltd., having its principal office at 10000 Wehrle Drive, Clarence, New York, became the owner of the Application for Letters Patent of the United States listed in Exhibit A attached hereto and hereby made a part hereof, and of the Inventions set forth therein;

AND WHEREAS, QIG Group, LLC, a corporation organized and existing under the laws of Delaware, United States of America, having its principal office at 10000 Wehrle Drive, New York, desires to acquire from said Greatbatch Ltd., the entire right, title, and interest in, to, and under said Inventions and said Application for Letters Patent listed in Exhibit A;

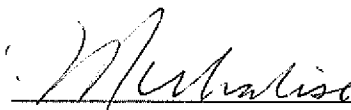
NOW THEREFORE, in consideration of and in exchange for the sum of Twenty Dollars (\$20.00) to it in hand paid by Greatbatch Ltd., and other good and valuable consideration, the receipt of which is hereby acknowledged, Greatbatch Ltd., does hereby sell, assign, transfer, set over and confirm unto QIG, the entire right, title, and interest in and to said Inventions, and in and to said Application for Letters Patent listed in Exhibit A, and any continuations, divisions, reissues, and foreign counterpart thereof including those filed under the Patent Cooperation Treaty (PCT), the same to be held and enjoyed by QIG Group, LLC for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives, to the end of the term or terms for which the said Patents are or may be granted or reissued, as fully and entirely as the same would

have been held and enjoyed by Greatbatch Ltd., if this assignment had not been made.

And said Greatbatch Ltd., further agrees to sign and properly execute such necessary and lawful papers for applications for foreign patents, and for filing subdivisions or continuations of said Application for Letters Patent, and/or for obtaining any reissue or reexamination of any Letters Patent which may be granted for the aforesaid Inventions as the assignee thereof shall hereafter require and prepare at its own expense.

This assignment is made as of the 12<sup>th</sup> day of February, 2016.

Greatbatch Ltd.

By: 

Michael F. Scalise  
Executive Director,  
Chief Patent Counsel

EXHIBIT A

Application for Letters Patent of the United States

<u>Serial No.</u>	<u>Filing Date</u>
13/046,144	March 11, 2011
13/170,775	June 28, 2011
13/226,956	September 7, 2011
13/250,283	September 30, 2011
13/303,219	November 23, 2011
13/359,652	January 27, 2012
13/359,739	January 27, 2012
13/359,954	January 27, 2012
13/366,705	February 6, 2012
13/538,074	June 29, 2012
13/600,943	August 31, 2012
13/601,449	August 31, 2012
13/601,504	August 31, 2012
13/601,631	August 31, 2012
13/800,729	March 13, 2013
13/828,102	March 14, 2013
13/898,845	May 21, 2013
13/904,252	May 29, 2013
13/973,219	August 22, 2013

13/973,268	August 22, 2013
13/973,292	August 22, 2013
13/973,316	August 22, 2013
14/077,239	November 12, 2013
14/010,872	August 27, 2013
14/010,913	August 27, 2013
14/010,942	August 27, 2013
14/015,107	August 30, 2013
14/041,082	September 30, 2013
14/161,756	January 23, 2014
14/227,270	March 27, 2014
14/229,458	March 28, 2014
14/245,225	April 4, 2014
14/267,261	May 1, 2014
14/279,415	May 16, 2014
14/279,749	May 16, 2014
14/279,841	May 16, 2014
14/279,881	May 16, 2014
14/279,925	May 16, 2014
14/445,382	July 29, 2014
14/446,996	July 30, 2014
14/483,233	September 11, 2014
14/535,386	November 7, 2014

14/536,863	November 10, 2014
14/537,051	November 10, 2014
14/537,235	November 10, 2014
14/537,293	November 10, 2014
14/552,880	November 25, 2014
14/595,583	January 13, 2015
14/670,539	March 27, 2015
14/703,961	May 5, 2015
14/712,073	May 14, 2015
14/735,234	June 10, 2015
14/793,780	July 8, 2015
14/810,758	July 28, 2015
14/813,457	July 30, 2015
14/926,152	October 29, 2015
14/932,130	November 4, 2015
14/932,157	November 4, 2015
14/942,243	November 16, 2015
14/977,768	December 22, 2015
14/989,878	January 7, 2016
62/173,118	June 9, 2015
62/181,827	June 19, 2015

<u>Patent No.</u>	<u>Issue Date</u>
7,640,064	December 29, 2009
7,729,781	June 1, 2010
7,957,818	June 7, 2011
8,954,148	February 10, 2015
8,090,450	January 3, 2012
8,160,719	April 17, 2012
8,369,951	February 5, 2013
8,428,724	April 23, 2013
8,437,846	May 7, 2013
8,473,074	June 25, 2013
8,483,836	July 9, 2013
8,483,845	July 9, 2013
8,494,636	July 23, 2013
8,515,545	August 20, 2013
8,515,558	August 20, 2013
8,543,223	September 24, 2013
8,554,337	October 8, 2013
8,560,084	October 15, 2013
8,571,667	October 29, 2013
8,634,932	January 21, 2014
8,644,953	February 4, 2014



8,649,878	February 11, 2014
8,676,341	March 18, 2014
8,676,347	March 18, 2014
8,688,232	April 1, 2014
8,721,659	May 13, 2014
8,738,141	May 27, 2014
8,738,153	May 27, 2014
8,757,485	June 24, 2014
8,761,892	June 24, 2014
8,761,897	June 24, 2014
8,781,592	July 15, 2014
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8,798,768	August 5, 2014
8,812,125	August 19, 2014
8,825,177	September 2, 2014
8,849,418	September 30, 2014
8,868,199	October 21, 2014
8,874,219	October 28, 2014
8,874,235	October 28, 2014
8,886,303	November 11, 2014
8,886,338	November 11, 2014
8,903,496	December 2, 2014
8,934,974	January 13, 2015

8,934,991	January 13, 2015
8,942,821	January 27, 2015
8,958,891	February 7, 2015
8,983,616	March 17, 2015
8,996,115	March 31, 2015
8,996,117	March 31, 2015
8,700,175	April 15, 2014
9,002,466	April 7, 2015
9,002,476	April 7, 2015
9,026,227	May 5, 2015
9,031,664	May 12, 2015
9,031,666	May 12, 2015
9,037,243	May 19, 2015
9,067,056	June 30, 2015
9,067,074	June 30, 2015
9,068,587	June 30, 2015
9,072,903	July 7, 2015
9,084,881	July 21, 2015
9,089,693	July 28, 2015
9,095,700	August 4, 2015
9,098,610	August 4, 2015
9,101,767	August 11, 2015
9,126,043	September 8, 2015

9,138,586	September 22, 2015
9,142,989	September 22, 2015
9,144,680	September 29, 2015
9,154,219	October 6, 2015
9,174,048	November 3, 2015
9,180,302	November 10, 2015
9,209,634	December 8, 2015
D663,035	July 3, 2012
D665,086	August 7, 2012
D665,087	August 7, 2012
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D698,779	February 4, 2014
9,166,321	October 20, 2015
9,234,920	January 12, 2016
9,225,190	December 29, 2015
9,248,292	February 2, 2016