

## PATENT ASSIGNMENT COVER SHEET

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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>
JOHN TOUT	08/09/2012
GORDON POWELL	08/09/2012
ROBERT SMITH	08/06/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JOY MM DELAWARE, INC.
<b>Street Address:</b>	2751 CENTERVILLE ROAD
<b>Internal Address:</b>	SUITE 342
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19808
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14163420
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(414)277-6560
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<b>ATTORNEY DOCKET NUMBER:</b>	051077-9175-US03
<b>NAME OF SUBMITTER:</b>	BRIAN J. MARSTALL
<b>SIGNATURE:</b>	/brian j. marstall/
<b>DATE SIGNED:</b>	07/14/2015
<b>Total Attachments: 2</b>	
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source=14593083_051077-9175-US03_Executed_Assignment_-_as_filed#page2.tif	

## ASSIGNMENT

Pursuant to our obligation to Joy MM Delaware, Inc. (hereinafter referred to as "Assignee"), a Delaware corporation having its principal place of business at:

2751 Centerville Road  
Suite 342  
Wilmington, DE 19808

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,  
we:

John Tout  
57 Upton Road  
Worcester WR2 4QX  
United Kingdom

Gordon Powell  
18 Carlton Road  
Malvern WR14 1HH  
United Kingdom

Robert Smith  
10 Borrowdale Road  
Malvern WR14 2DS  
United Kingdom

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

(1) in and to inventions described in a patent application titled "CHAIN TENSION SENSOR" for which we filed United States Patent Application No. 13/553,487 (Atty. File No. 051077-9175-US02) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 61/510,839, filed July 22, 2011 (hereinafter the "U.S. provisional patent application") (Atty. File No. 051077-9175-US00);

(2) in and to the U.S. utility patent application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), and reissue applications) based upon said inventions, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the U.S. utility patent application and the U.S. provisional patent application, and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on either or both of the U.S. utility patent application and the U.S. provisional patent application.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

9 August 2012  
Date

John Tout  
John Tout

9 August 2012  
Date

Gordon Powell  
Gordon Powell

6 August 2012  
Date

Robert Smith  
Robert Smith