

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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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>
ALLAN R. MANNINEN	05/05/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ASTENJOHNSON, INC.
<b>Street Address:</b>	4399 CORPORATE ROAD
<b>City:</b>	CHARLESTON
<b>State/Country:</b>	SOUTH CAROLINA
<b>Postal Code:</b>	29405
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14778835
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(954)828-9122
<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>	954-828-1488
<b>Email:</b>	ptomail@cwiplaw.com
<b>Correspondent Name:</b>	CHRISTOPHER & WEISBERG, P.A.
<b>Address Line 1:</b>	200 EAST LAS OLAS BOULEVARD
<b>Address Line 2:</b>	SUITE 2040
<b>Address Line 4:</b>	FORT LAUDERDALE, FLORIDA 33301
<b>ATTORNEY DOCKET NUMBER:</b>	1476-22PUS
<b>NAME OF SUBMITTER:</b>	JOHN CHRISTOPHER
<b>SIGNATURE:</b>	/John Christopher/
<b>DATE SIGNED:</b>	09/21/2015
<b>Total Attachments: 2</b>	
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source=Assignment#page2.tif	

**ASSIGNMENT**

File No.: 01204P0576  
NATIONAL PHASE

PATENT APPLICATION  
ASSIGNMENT

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**IN CONSIDERATION OF** One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, paid to

**Allan R. MANNINEN**

hereinafter called the Inventor, whose full post office address is 115 Coyote Crescent, Kanata, Ontario K2S 2G4, Canada, the said Inventor confirms that he did assign to

**ASTENJOHNSON, INC.**

whose full post office address is 4399 Corporate Road, Charleston, South Carolina 29405, US all his right, title, and interest worldwide in and to the invention relating to

**MECHANICALLY INTERLOCKED NONWOVEN INDUSTRIAL FABRIC**

described in the Application filed under the Patent Cooperation Treaty, and given International Application No. PCT/CA2014/000288 and international filing date of March 26, 2014, for such invention and to all the inventor's corresponding right, title and interest in and to the invention disclosed in the said International Application, and to all rights arising therefrom for all designated states, and further confirms that the said assignment has from at least March 26, 2014 been of full force and effect in relation to all designated states, in respect of all rights in and to the said invention, to the inventor's corresponding right to claim priority from the said International Application, and in any patent or patents which may issue for the said invention.

**THE UNDERSIGNED** hereby authorizes the firm of **SHAPIRO COHEN** whose full post office address in Canada is Suite 200, 411 Legget Drive, Ottawa, ON K2K 3C9 (P.O. Box 13002, Kanata, ON K2K 0E2 to correct errors in this Assignment, or to insert any further

identification or other information necessary or desirable to make this Assignment suitable for recordal.

SIGNED AT Kanata, Ontario  
this 5 day of May, 2014.

Allan Manninen

Allan MANNINEN

[Signature]

Witness

ACCEPTED BY  
ASTENJOHNSON, INC.

Date: May 14, 2014

Signature: James M. Gibson

Name: James M. GIBSON

Title: General Counsel & Secretary