

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4095968

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
HSBC BANK USA, NATIONAL ASSOCIATION	10/12/2016

RECEIVING PARTY DATA

Name:	MOOG INC.
Street Address:	SENECA & JAMISON ROAD
City:	EAST AURORA
State/Country:	NEW YORK
Postal Code:	14052

PROPERTY NUMBERS Total: 12

Property Type	Number
Patent Number:	9279683
Patent Number:	7986269
Patent Number:	8044847
Patent Number:	8077082
Patent Number:	8078124
Patent Number:	8125384
Patent Number:	8214370
Patent Number:	8473238
Patent Number:	8665152
Patent Number:	8954377
Patent Number:	9361008
Application Number:	12980171

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PATENT

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NAME OF SUBMITTER:	SHARON A. PIATKOWSKI
SIGNATURE:	/Sharon A. Piaktowski/
DATE SIGNED:	10/13/2016
Total Attachments: 3 source=Patent Release - Crossbow-C1#page1.tif source=Patent Release - Crossbow-C1#page2.tif source=Patent Release - Crossbow-C1#page3.tif	

PATENT RELEASE

WHEREAS, pursuant to a certain security agreement made as of March 18, 2011 between Moog Inc. (“Debtor”) in favor of HSBC Bank USA, National Association, as administrative agent for the benefit of certain lenders and for its benefit as agent (“Secured Party”), which amended and restated an agreement between Debtor and Secured Party dated October 26, 2006, which amended and restated an agreement between Debtor and HSBC Bank USA dated March 3, 2003, and, which agreement was reaffirmed pursuant to the Reaffirmation Agreements dated as of March 28, 2013 and June 28, 2016 (“Security Agreement”) the Debtor granted a security interest to Secured Party in patents and patent applications owned by the Debtor, including the patents listed on Schedule A attached hereto (the “Patents”), and a Supplemental Notice of Security Interest in Patents and Patent Applications dated June 28, 2016 was recorded with the United States Patent and Trademark Office (“USPTO”) at reel 039421 and frame 0299 on July 21, 2016 with respect thereto.

WHEREAS, Debtor has notified Secured Party that pursuant to a Permitted Disposition under the Loan Agreement (as defined in the Security Agreement), certain assets of Debtor are being transferred and in accordance with its agreements with the Secured Party, has requested a release of the collateral from the Security Agreement.


NOW THEREFORE, Secured Party does hereby release any and all interests in the Patents. The foregoing limited release applies only to the Patents. Secured Party’s security interest in the various other patents and patent applications owned by the Debtor shall continue in all respects and is hereby ratified and confirmed in its entirety.

[Signature Page Follows]

Doc #02-493269.1

IN WITNESS WHEREOF, Secured Party has caused this Patent Release to be duly executed by its respective officer thereunto duly authorized as of the 12th day of October, 2016.

HSBC BANK USA, NATIONAL ASSOCIATION
as Administrative Agent

By  _____
Name: ECLIFF JACKMAN
Title: VICE PRESIDENT

Schedule A

**PATENTS ISSUED OR ASSIGNED TO MOOG INC.
BY U.S. PATENT AND TRADEMARK OFFICE**

TITLE	FILED DATE	PATENT NO.	ISSUE DATE
Real Time Aircraft Status Detection System and Method	08/29/2014	9,279,683	03/08/2016
Enhancing Reception Of Signals In Global Positioning System (GPS) Receiver Module	05/14/2010	7,986,269	07/26/2011
Enhancing Reception Of Signals In Global Positioning System (GPS) Receiver Module	05/14/2010	8,044,847	10/25/2011
Enhancing Reception Of Signals In Global Positioning System (GPS) Receiver Module	01/14/2008	8,077,082	12/13/2011
Enhancing Antenna Performance In RF Devices	12/24/2008	8,078,124	12/13/2011
Enhancing Reception Of Signals In Global Positioning System (GPS) Receiver Module	05/14/2010	8,125,384	02/28/2012
Data Pre-Processing And Indexing For Efficient Retrieval And Enhanced Presentation	03/26/2009	8,214,370	07/03/2012
Temperature Measurement Correction Using Multiple Temperature Sensors	08/11/2010	8,473,238	06/25/2013
Enhancing Reception Of Signals In Global Positioning System (GPS) Receiver Module	05/14/2010	8,665,152	03/04/2014
Data Pre-Processing And Indexing For Efficient Retrieval And Enhanced Presentation	05/25/2012	8,954,377	02/10/2015
Result-Oriented Configuration Of Performance Parameters	05/12/2010	9,361,008	06/07/2016

**PATENT APPLICATIONS
IN THE NAME OF CURLIN MEDICAL INC.
PENDING WITH U.S. PATENT & TRADEMARK OFFICE**

TITLE	SERIAL NO.	FILING DATE
Power Management In Wireless Tracking Device Operating With Restricted Power Source	12/980,171	12/28/2010