

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4627157

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GRAEME BUCHANAN	04/13/2015
PATRICK MCWALL	04/13/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SHORT BROTHERS PLC
<b>Street Address:</b>	AIRPORT ROAD
<b>City:</b>	BELFAST
<b>State/Country:</b>	IRELAND
<b>Postal Code:</b>	BT3 9DZ
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15561653
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)318-8300
<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>	202-349-9868
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<b>Correspondent Name:</b>	JEFFREY D. KARCESKI
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<b>Address Line 4:</b>	WASHINGTON, D.C. 20006
<b>ATTORNEY DOCKET NUMBER:</b>	BOMBARDIER 149 US
<b>NAME OF SUBMITTER:</b>	JEFFREY D. KARCESKI
<b>SIGNATURE:</b>	/Jeffrey D. Karceski, Reg. No. 35,914/
<b>DATE SIGNED:</b>	10/04/2017
<b>Total Attachments: 2</b>	
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source=Assignment_executed#page2.tif	

**WORLDWIDE ASSIGNMENT**

WHEREAS WE, (1) **Graeme BUCHANAN** whose complete address is 49 Limestone Meadow Crescent, Moira, Craigavon, Co Armagh, BT67 0UY, Northern Ireland; and (2) **Patrick McWALL** whose complete address is 7c Turnavall Road, Saval, Newry, Co Down, BT34 1LZ, Northern Ireland; (hereinafter referred to as "the Assignors") have made an invention entitled:

**DUAL LOAD PATH FASTENER SYSTEM**

(hereinafter referred to as "the Invention") for which applications for Letters Patent have been or will be filed in the following countries:

<u>Country</u>	<u>Filing Date</u>	<u>Serial No.</u>
GB	March 27, 2015	1505247.5
US		
PCT		
EP		
CN		

(If necessary, Short Brothers PLC, its affiliates and its agents are hereby authorized to insert the filing dates and the serial numbers when known);

AND, WHEREAS **Short Brothers PLC**, a corporation under the laws of Northern Ireland, whose full postal address is Airport Road, Belfast, BT3 9DZ, Northern Ireland, (hereinafter referred to as the Assignee) is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications;

NOW THEREFORE, be it known that for and in consideration of One Pound Sterling (£1.00) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee is hereby acknowledged, we, the Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to the Invention and these applications, and all divisions, and continuations thereof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for the Invention in any country and all Letters Patent that may be granted on the Invention in any country, and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty it is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for the Invention to the Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will communicate with the Assignee, its successors and assigns, any facts known to us respecting the Invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to the Invention in the Assignee, its successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful oaths and generally do everything possible to aid the Assignee, its successors and assigns, to obtain and enforce proper patent protection for the Invention in any country, it being understood that, irrespective of whether we are in the employ of the Assignee or its affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee, its successors, and assigns.

OUR REF P-00185

In case of a disagreement between the parties, this Assignment shall be interpreted in accordance with the Laws of the Province of Quebec.

It is the express wish of the parties that this Assignment and all related documents be drafted in English. *Il est de la volonté expresse des parties que cette cession et tous les documents s'y rattachant soient rédigés en anglais.*

IN TESTIMONY WHEREOF, WE HAVE SIGNED:

(x)   
\_\_\_\_\_  
(1) Graeme BUCHANAN

04/13/2015  
\_\_\_\_\_  
DATE (MM/DD/YYYY)

ENGINEERING CENTRE, SHORT BROS PLC  
\_\_\_\_\_  
PLACE OF SIGNATURE

(x)   
\_\_\_\_\_  
WITNESS SIGNATURE

GAVIN CAMPBELL  
\_\_\_\_\_  
WITNESS PRINT NAME


(x)   
\_\_\_\_\_  
(2) Patrick McWALL

04/13/2015  
\_\_\_\_\_  
DATE (MM/DD/YYYY)

ENGINEERING CENTRE, SHORT BROTHERS  
\_\_\_\_\_  
PLACE OF SIGNATURE

(x)   
\_\_\_\_\_  
WITNESS SIGNATURE

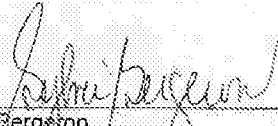
GAVIN CAMPBELL  
\_\_\_\_\_  
WITNESS PRINT NAME

(x)   
\_\_\_\_\_  
Timothy Collins

Director, Intellectual Property  
Bombardier Inc.

April 15, 2015  
\_\_\_\_\_  
DATE (MM/DD/YYYY)

Douville Québec  
\_\_\_\_\_  
PLACE OF SIGNATURE

(x)   
\_\_\_\_\_  
Sylvie Bergeron  
WITNESS SIGNATURE