

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4075315

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PIERRE GAGNON	03/12/2014
JOSEPH REZILE	03/12/2014
MARC KIRMOYAN	04/09/2014
BRAD NOLEN	03/17/2014
JULIEN FABRICE LACHERÉ	03/10/2014
JEFFREY DAVID KARCESKI	03/13/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BOMBARDIER INC.
<b>Street Address:</b>	400 CÔTE-VERTU ROAD WEST
<b>City:</b>	DORVAL, QUEBEC
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	H4S 1Y9
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61946200
<b>Application Number:</b>	15120532
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(514)397-8515
<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>	(514) 397-8500
<b>Email:</b>	patents@bcf.ca
<b>Correspondent Name:</b>	BCF LLP
<b>Address Line 1:</b>	1100 RENE-LEVESQUES WEST, 25TH FLOOR
<b>Address Line 4:</b>	MONTREAL, QUEBEC, CANADA H3B 5C9
<b>ATTORNEY DOCKET NUMBER:</b>	33380-024
<b>NAME OF SUBMITTER:</b>	OLGA PAVLYUK
<b>SIGNATURE:</b>	/Olga Pavlyuk/
<b>DATE SIGNED:</b>	09/29/2016

**Total Attachments: 5**

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**WORLDWIDE ASSIGNMENT**

WHEREAS WE, (1) **Pierre Gagnon** whose complete address is 1170 Andre Chartrand, apt 102, Vaudreuil, Quebec, Canada, J7V 0B6; (2) **Joseph Rezile** whose complete address is 951 Charles-Daudelin, Terrebonne, Quebec, Canada, J6Y 1X6; (3) **Marc Kirmoyan** whose complete address is 737 Upper Belmont Westmount, Quebec, Canada, H3Y 1K1; (4) **Brad Nolen** whose complete address is 663 Saint Timothee, Montreal, Quebec, Canada, H2L 5C7; (5) **Julien Fabrice Lacheré** whose complete address is 3976 av. des Érables, Montreal, Quebec, Canada, H2K 3V8; and (6) **Jeffrey David Karceski** whose complete address is 4633 Blagden Terrace, N.W., Washington, DC 20011, United State; (hereinafter referred to as "the Assignors") have made an invention entitled:

**METHOD, SYSTEM, AND EXECUTABLE PROGRAM PRODUCT FOR CONTROLLING PASSENGER SERVICES**

(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>
US	February 28, 2014	61/946,200
WO	February 20, 2015	PCT/US2015/016789
US	August 22, 2016	15/120,532
EP		
CN		

(If necessary, Bombardier Inc., its affiliates and its agents are hereby authorized to insert the filing dates and the serial numbers when known);

AND, WHEREAS **Bombardier Inc.**, a corporation under the laws of Canada, whose full postal address is 400 Côte-Vertu Road West, Dorval, Quebec, H4S 1Y9, Canada (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 Canadian Dollar (CA \$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

OUR REF P-00117-US

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.

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:

*Pierre Gagnon*  
(x) PIERRE GAGNON  
(1) Pierre GAGNON

2014-03-12  
DATE (MM/DD/YYYY)

DORVAL  
PLACE OF SIGNATURE

(x) *Eric Kane* 12 MAR 2014  
WITNESS SIGNATURE

ERIC KANE  
WITNESS PRINT NAME

(x) *Joseph Rezile*  
(2) Joseph REZILE

2014-03-12  
DATE (MM/DD/YYYY)

DORVAL  
PLACE OF SIGNATURE

(x) *Eric Kane* 12 MAR 2014  
WITNESS SIGNATURE

ERIC KANE  
WITNESS PRINT NAME

(x) \_\_\_\_\_  
(3) Marc KIRMOYAN

\_\_\_\_\_  
DATE (MM/DD/YYYY)

\_\_\_\_\_  
PLACE OF SIGNATURE

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

\_\_\_\_\_  
WITNESS PRINT NAME

(x) \_\_\_\_\_  
(4) Brad NOLEN

\_\_\_\_\_  
DATE (MM/DD/YYYY)

\_\_\_\_\_  
PLACE OF SIGNATURE

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(x) \_\_\_\_\_  
(1) Pierre GAGNON

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DATE (MM/DD/YYYY)

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PLACE OF SIGNATURE

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

-----  
WITNESS PRINT NAME

(x) \_\_\_\_\_  
(2) Joseph REZILE

-----  
DATE (MM/DD/YYYY)

-----  
PLACE OF SIGNATURE

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

-----  
WITNESS PRINT NAME

(x)   
(3) Marc KIRMOYAN

04/09/2014  
-----  
DATE (MM/DD/YYYY)

Montreal  
-----  
PLACE OF SIGNATURE

(x)   
WITNESS SIGNATURE

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JOELLE NAKHLE  
WITNESS PRINT NAME

(x) \_\_\_\_\_  
(4) Brad NOLEN

-----  
DATE (MM/DD/YYYY)

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(1) Pierre GAGNON

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DATE (MM/DD/YYYY)

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WITNESS SIGNATURE

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WITNESS PRINT NAME

(x) \_\_\_\_\_  
(2) Joseph REZILE

-----  
DATE (MM/DD/YYYY)

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PLACE OF SIGNATURE

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

-----  
WITNESS PRINT NAME

(x) \_\_\_\_\_  
(3) Marc KIRMOYAN

-----  
DATE (MM/DD/YYYY)

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PLACE OF SIGNATURE


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

-----  
WITNESS PRINT NAME

(x)  \_\_\_\_\_  
(4) Brad NOLEN

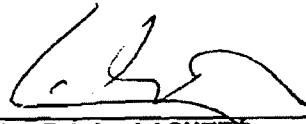
03/17/2014  
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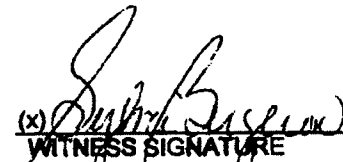
Montreal, Canada  
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PLACE OF SIGNATURE


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


Sandra Clark  
-----  
WITNESS PRINT NAME


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(x)   
\_\_\_\_\_  
(5) Julien Fabrice LACHERÉ  
3/10/2014  
-----  
DATE (MM/DD/YYYY)  
DORVAL, QC  
-----  
PLACE OF SIGNATURE

(x)   
\_\_\_\_\_  
WITNESS SIGNATURE  
Sylvie Bergeron  
-----  
WITNESS PRINT NAME

(x)   
\_\_\_\_\_  
(8) Jeffrey David KARCESKI  
13-MAR-2014  
-----  
DATE (MM/DD/YYYY)  
Washington DC  
-----  
PLACE OF SIGNATURE

(x)   
\_\_\_\_\_  
WITNESS SIGNATURE  
Elizabeth DiNorna  
-----  
WITNESS PRINT NAME

(x)   
\_\_\_\_\_  
Timothy Collins  
Director, Intellectual Property  
Bombardier Inc.  
Apr. 11, 2014  
-----  
DATE (MM/DD/YYYY)  
Dorval, Quebec  
-----  
PLACE OF SIGNATURE

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