

Docket No. : 1118-B06.US

RECORDATION FORM COVER SHEET **PATENTS ONLY**

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U.S. DEPARTMENT OF COMMERCE
 Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents of copy thereof.

<p>1. Name of conveying party(ies): Eric CHOINIERE & Aiping LIANG & Richard HORTH & Philippe LOISELLE</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: MACDONALD, DETTWILER AND ASSOCIATES CORPORATION</p> <p>Street Address: 21025, Trans-Canada Highway Ste-Anne-de-Bellevue, Québec H9X 3R2, Canada</p> <p>Internal Address: _____</p> <p>City: _____ State: _____ ZIP: _____</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p>(x) Assignment () Merger</p> <p>() Security Agreement () Change of Name</p> <p>() Other: _____</p> <p>Execution Date: Oct.13.2012-Dec.12.2011-Dec.13.2011-Jan.09.2012</p>	

4. Application number(s) or patent number(s):
 If this document is being filed together with a new application, the execution date of the application is:

A. Patent application No.(s): 13/652,680

Patent application Filed on: October 16, 2012

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Franz Bonsang, Patent Agent**
Registration No. 56638

Street Address: **EQUINOX INC.**
1600, Du Collège st, suite 410,
Saint-Laurent, QBC CANADA
H4L 5G8

6. Total number of applications and patents involved: **[1]**

7. Total fee (37 CFR 3.41)..... **\$40.00**
 (x) Enclosed (Form PTO-2038)
 () Authorized to be charged to deposit account

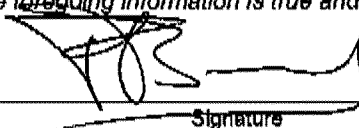
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Franz Bonsang, Patent Agent
 Name of Person Signing


 Signature

June 22, 2015
 Date

Total number of pages including cover sheet, attachments, and document: **[3]**

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

700517542

PATENT
REEL: 036015 FRAME: 0494

OP \$40.00 13652680

ASSIGNMENT OF INVENTION AND PATENTS THEREON

WHEREAS, WE, **Éric CHOINIÈRE**; **Alping LIANG** **Richard HORTH**; and **Philippe LOISELLE**, whose full post office addresses are **2346, Raintree Drive, Ottawa, (Ontario), K1W 1J3 Canada**; **2, Rue Papillon, Dollard-Des-Ormeaux (Québec), H9B 3J8 Canada**; **17, Labreche, Kirkland (Québec), H9J 3W6 Canada**; and **5851, Saint-Vallier, Montreal (Québec) H2S 2P4 Canada**, respectively, hereafter referred to as "Assignor", are the owners of an invention for a new and improved

WIDE SCAN STEERABLE ANTENNA WITH NO KEY-HOLE

for which a United States Patent Application was filed on **October 17, 2011** under Serial No. **61/627,710**; and

WHEREAS, **Macdonald, Dettwiler and Associates Corporation** we herein referred to as "Assignee", whose full post office address is: **21025, Trans-Canada Highway, Ste-Anne-de-Bellevue (Québec), H9X 3R2 Canada**, desires to acquire the entire interest in and to the subject matter disclosed in said application and in and to all patents issued or to be issued thereon.

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar to the Assignor in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee, its entire right, title and interest in and to the subject matter disclosed in said application and in and to all Letters Patent Domestic and Foreign Issued or to be obtained thereon, including all rights and interest with priority rights under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperative Union, European Patent Convention, Common Market Convention, or any other Convention of Union for each country of said Convention or Union; and the Assignor does hereby authorize and request the Commissioner of Patents to issue the Letters Patent granted on said application and all future patents granted upon the subject matter disclosed therein to the above-named Assignee, its legal representatives and assigns.

Witness our hand on the date written below:


Éric CHOINIÈRE, Assignor

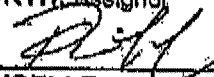
13 Oct. 2012
 Date


Alping LIANG, Assignor

Dec. 12, 2011
 Date


Richard HORTH, Assignor


Dec. 13, 2011
 Date


Philippe LOISELLE, Assignor

Dec 13, 2011
 Date

ACCEPTED,

Macdonald, Dettwiler and Associates Corporation, Assignee


 Name: **MAGUED ISKANDER**
 Title: **Executive Vice President & General Manager MDA Information Systems Group.**

9th January 2012
 Date

1118-B06.US