

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Geoffrey G. Harris</td> <td>10/28/2009</td> </tr> <tr> <td>Daniel B. Mitchell</td> <td>10/28/2009</td> </tr> <tr> <td>Douglas J. Brown</td> <td>10/28/2009</td> </tr> <tr> <td>Alexandre D. Lifchits</td> <td>10/28/2009</td> </tr> </tbody> </table>		Name	Execution Date	Geoffrey G. Harris	10/28/2009	Daniel B. Mitchell	10/28/2009	Douglas J. Brown	10/28/2009	Alexandre D. Lifchits	10/28/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Raytheon Company</td> </tr> <tr> <td>Street Address:</td> <td>870 Winter Street</td> </tr> <tr> <td>City:</td> <td>Waltham</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02451-1449</td> </tr> </table>		Name:	Raytheon Company	Street Address:	870 Winter Street	City:	Waltham	State/Country:	MASSACHUSETTS	Postal Code:	02451-1449
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CORRESPONDENCE DATA											
<p>Fax Number: (214)200-0853 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 214-651-5000 Email: ipdocketing@haynesboone.com Correspondent Name: HAYNES AND BOONE, LLP IP Section Address Line 1: 2323 Victory Avenue Address Line 2: Suite 700 Address Line 4: Dallas, TEXAS 75219</p>											
ATTORNEY DOCKET NUMBER:	35197.141/08E431										
NAME OF SUBMITTER:	T. Murray Smith										
Total Attachments: 3											

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ASSIGNMENT

WHEREAS, WE,

- | | | |
|-----|-----------------------|-----------------------------------|
| (1) | Geoffrey G. Harris | of Midland, Ontario, Canada |
| (2) | Daniel B. Mitchell | of Port McNicoll, Ontario, Canada |
| (3) | Douglas J. Brown | of Midland, Ontario, Canada |
| (4) | Alexandre D. Lifchits | of Wyevale, Ontario, Canada |

have invented certain improvements in

**METHOD AND APPARATUS FOR FABRICATING
A PRECISION OPTICAL SURFACE**

for which we have executed an application for Letters Patent of the United States of America on even date herewith;

WHEREAS, Raytheon Company (Assignee), a corporation organized and existing under the laws of the State of Delaware, having its principal office and place of business at 870 Winter Street, Waltham, Massachusetts 02451-1449, is desirous of obtaining the entire right, title, and interest in, to and under said invention and said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under said invention, and said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

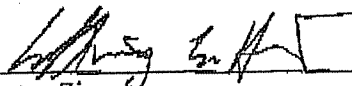
AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths


and generally do everything possible to aid said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

First Inventor Name: Geoffrey G. Harris
Residence Address: 1013 Yonge Street, Midland, Ontario L4R 2E9, Canada

Dated: 28 Oct '09

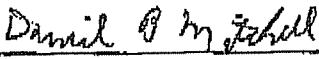

Inventor Signature

Dated: 28 Oct '09

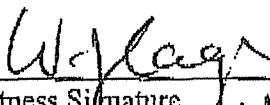

Witness Signature
Witness Name: W. GLAGE

Second Inventor Name: Daniel B. Mitchell
Residence Address: 3368 Triple Bay Road, RR1, Port McNicoll, Ontario L0K 1R0, Canada

Dated: Oct 28, 2009

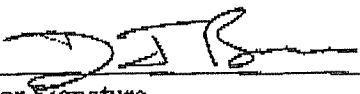

Inventor Signature

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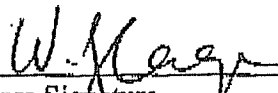

Witness Signature
Witness Name: W. GLAGE

Third Inventor Name: Douglas J. Brown
Residence Address: 294 Queen Street, Midland, Ontario L4R 3H4, Canada

Dated: 28. Oct. 09


Inventor Signature

Dated: 28 Oct '09


Witness Signature
Witness Name: W. GLAGE

Fourth Inventor Name: Alexandre D. Lifchits
Residence Address: 14 Bailey Cr., Wyevalle, Ontario L0L 2T0, Canada

Dated: 28/10/09

A. Lifchits
Inventor Signature

Dated: 28 Oct '09

W. Glaze
Witness Signature
Witness Name: W. GLAZE