

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Martin Boulanger</td> <td>01/30/2013</td> </tr> <tr> <td>Yueqiang Shen</td> <td>01/30/2013</td> </tr> <tr> <td>Dan Anker Zauner</td> <td>01/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Martin Boulanger	01/30/2013	Yueqiang Shen	01/30/2013	Dan Anker Zauner	01/30/2013		
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Dan Anker Zauner	01/30/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Ignis Photonyx A/S</td> </tr> <tr> <td>Street Address:</td> <td>Blokken 84</td> </tr> <tr> <td>City:</td> <td>Birkerød, Rudersdal</td> </tr> <tr> <td>State/Country:</td> <td>DENMARK</td> </tr> <tr> <td>Postal Code:</td> <td>DK-3460</td> </tr> </table>		Name:	Ignis Photonyx A/S	Street Address:	Blokken 84	City:	Birkerød, Rudersdal	State/Country:	DENMARK	Postal Code:	DK-3460
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13363274</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13363274						
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Application Number:	13363274										
CORRESPONDENCE DATA											
<p>Fax Number: 4352521361 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 435-252-1360 Email: docket@mgiiip.com</p> <p>Correspondent Name: Eric L. Maschoff Address Line 1: MASCHOFF GILMORE & ISRAELSEN Address Line 2: 1389 Center Drive, Suite 300 Address Line 4: Park City, UTAH 84098</p>											
ATTORNEY DOCKET NUMBER:	F1002.12257US01										
NAME OF SUBMITTER:	ERIC L. MASCHOFF										
<p>Total Attachments: 2 source=F1002.12257US01 Assignment#page1.tif source=F1002.12257US01 Assignment#page2.tif</p>											

OP \$40.00 13363274

PATENT ASSIGNMENT

Title of Invention	PLANAR OPTICAL BRANCHING CIRCUIT
Docket Number	F1002.12257US01

I/We the undersigned, hereinafter collectively referred to as "Assignor", have made the above-referenced invention. Embodiments of said invention are described in the following patent application:

- ☐ United States Provisional Application Number _____ filed on _____
- ☒ United States Non-provisional Application Number 13/363,274 filed on January 31, 2012
- ☐ United States national stage application of PCT international application number _____ filed on _____.

WHEREAS, Ignis Photonix A/S (hereinafter referred to as "ASSIGNEE") having a place of business at: Blokken 84 DK-3460 Birkerød, Rudersdal, Denmark, desires to acquire the entire right, title and interest in said invention and the above-identified United States patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR hereby assigns to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, and reissues, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States and foreign countries.

If the above-referenced United States application is a provisional application, ASSIGNOR hereby assigns to the ASSIGNEE the entire right, title and interest in all applications in the United States claiming the benefit of said provisional application and in all Letters Patents issuing on any such patent applications.

ASSIGNOR hereby assigns to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its own name and the right to claim priority to the above-identified United States patent application under the terms of the International Convention and any other relevant treaties.

ASSIGNOR hereby authorizes and requests the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of ASSIGNOR'S entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted.

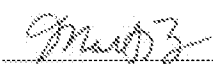
Further, ASSIGNOR agrees, without further consideration, to communicate to the ASSIGNEE any facts known to ASSIGNOR respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.

ASSIGNEE'S representatives are hereby authorized to insert the application number and filing date, when known, into this ASSIGNMENT.

INVENTOR 1

Name: Martin Boulanger

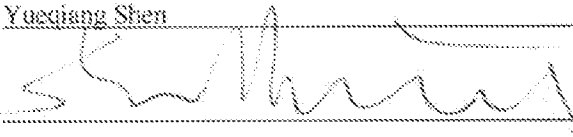
Date: 30th JANUARY, 2013

Signature: 

INVENTOR 2

Name: Yueqiang Shen

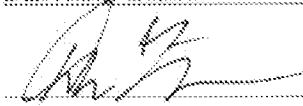
Date: 30/1 - 2013

Signature: 

INVENTOR 3

Name: Dan Anker Zauner

Date: 30/1 - 2013

Signature: 

MASCHOFF GILMORE & ISRAELSEN, PLLC
1389 CENTER DRIVE, SUITE 300
PARK CITY, UTAH 84098, USA