

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ignis Technologies AS	11/29/2012
RECEIVING PARTY DATA	
Name:	Ignis Photonyx AS
Street Address:	Blokken 84
City:	Birkerød
State/Country:	DENMARK
Postal Code:	DK-3460
PROPERTY NUMBERS Total: 4	
Property Type	Number
Patent Number:	7194174
Patent Number:	7343071
Patent Number:	7317853
Patent Number:	6920254
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	F1002.12363US01
NAME OF SUBMITTER:	ERIC L. MASCHOFF
Total Attachments: 3 source=20121129 Assign. Patent Rights (Ignis Tech. to IPX)#page1.tif source=20121129 Assign. Patent Rights (Ignis Tech. to IPX)#page2.tif source=20121129 Assign. Patent Rights (Ignis Tech. to IPX)#page3.tif	

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## ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, **Ignis Technologies AS**, organization number 987 350 393 (a Norwegian Private Limited Company), with an office at Stålfjæra 9, N-0975 Oslo, Norway ("Assignor"), does hereby sell, assign, transfer, and convey unto **Ignis Photonyx AS** (a Danish Public Limited Company), with its principal place of business at Blokken 84, DK-3460 Birkerød ("Assignee"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"):

- (a) the patent applications and patents listed in the table below (the "Patents");

Patent or Application No.	Country	Title of Patent
7194174	US	Integrated photonic crystal structure and method of producing same
7343071	US	Optical component and a method of fabricating an optical component
7317853	US	Integrated optics spot size converter and manufacturing method
6920254	US	Method for controlling the polarization of an optical signal and an optical component for polarization control of light in planar waveguides
6775455	US	Silicon mesa structure integrated in a glass-on-silicon waveguide, and a method of manufacturing it
13/363,274	US	PLANAR OPTICAL BRANCHING CIRCUIT
476277.9	EP	Integrated optics spot size converter and manufacturing method
2.368.800	CA	Method for controlling the polarization of an optical signal and an optical component for polarization control of light in planar waveguides
00912417.3	EP	Method for controlling the polarization of an optical signal and an optical component for polarization control of light in planar waveguides
609836/2000	JP	Method for controlling the polarization of an optical signal and an optical component for polarization control of light in planar waveguides
00972652.2	EP	Silicon mesa structure integrated in a glass-on-silicon waveguide, and a method of manufacturing it

- (b) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing category (a);

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(c) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) and (b), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(d) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (c), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(e) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (a) through (d), including, without limitation, all causes of action and other enforcement rights for

- (1) damages,
- (2) injunctive relief, and
- (3) any other remedies of any kind

for past, current, and future infringement; and

(f) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (a) through (e).

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.



Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefore, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Horsham, PA USA on 29 November 2012.

**ASSIGNOR:**

**IGNIS TECHNOLOGIES AS**

By: 

Name: Eitan Gerstel

Title: Chairman of the Board

