

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4389545

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	FIANIUM LTD	04/12/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	NKT PHOTONICS A/S	
<b>Street Address:</b>	BLOKKEN 84	
<b>City:</b>	BIRKEROD	
<b>State/Country:</b>	DENMARK	
<b>Postal Code:</b>	DK-3460	
<b>PROPERTY NUMBERS Total: 40</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	13792173	
Application Number:	14619471	
Application Number:	14729998	
Application Number:	14738839	
Application Number:	14799601	
Application Number:	14922514	
Application Number:	14968863	
Application Number:	15006047	
Application Number:	15017605	
Application Number:	15017661	
Patent Number:	7376296	
Patent Number:	8379298	
Patent Number:	8422519	
Patent Number:	8467422	
Patent Number:	8593726	
Patent Number:	8718104	
Patent Number:	8724215	
Patent Number:	8731008	
Patent Number:	8767287	
Patent Number:	8785884	

PATENT

Property Type	Number
Patent Number:	8848750
Patent Number:	8902495
Patent Number:	8902496
Patent Number:	9020000
Patent Number:	9071033
Patent Number:	9158177
Patent Number:	9172200
Patent Number:	9188835
Patent Number:	9217824
Patent Number:	9246296
Patent Number:	9270080
Patent Number:	9276371
Patent Number:	9287677
Patent Number:	9300105
Patent Number:	9306093
Patent Number:	9425334
Patent Number:	9531153
Patent Number:	9564731
Patent Number:	9570876
Patent Number:	9570878

**CORRESPONDENCE DATA**

**Fax Number:**

*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.*

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**NAME OF SUBMITTER:** PETER RAINVILLE

**SIGNATURE:** /Peter Rainville/

**DATE SIGNED:** 04/28/2017

**Total Attachments: 3**

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## CONFIRMATORY ASSIGNMENT

THIS CONFIRMATORY ASSIGNMENT is made by and between, on the one hand, FIANIUM LTD, 20 Compass Point, Ensign Way, Southampton, SO31 4RA, UK, a company incorporated and existing under the laws of the UK, and FIANIUM INC., 858 West Park Street, Eugene, Oregon 97401, USA, a company incorporated and existing under the laws of Oregon (hereinafter, collectively, the "Assignors"), and on the other hand, NKT Photonics A/S, Blokken 84, DK-3460 Birkerød, Denmark, a company incorporated and existing under the laws of Denmark (hereinafter, the "Assignee"), for: (i) the patent applications set out in the attached Appendix, including any and all improvements which are disclosed therein, and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on such improvements, with any and all associated right, title and interest, including, without prejudice to the foregoing generality, the associated priority rights (hereinafter, the "Patent Applications"); and (ii) the patents set out in the attached Appendix and reexamined and reissued patents issuing therefrom, and all patents, including reexamined and reissued patents, issued from the Patent Applications (hereinafter, collectively, the "Patents") (the Patent Applications and the Patents are collectively referred to herein as the "Patent Properties");

**WHEREAS**, the Assignors, by virtue of an IP Transfer Agreement between FIANIUM LTD and the Assignee dated December 22, 2016, intended to transfer all of the Assignors' right, title and interest in all of the Assignors' intellectual property rights including, but not limited to, the Patent Properties, to the Assignee;

**NOW, THEREFORE**, in consideration of good and sufficient consideration previously received, the receipt of which is hereby expressly acknowledged, and for avoidance of doubt and to the extent necessary, the Assignors hereby sell, assign, transfer, convey, and set over to the Assignee (1) any and all interest, right, title, property and benefit in and to the Patent Properties they may have, if any, and (2) the right to sue for past, current and future infringement of the Patent Properties, and to collect damages and royalties therefor.

**IN WITNESS WHEREOF**, the Assignors have caused this Confirmatory Assignment to be executed.

FIANIUM LTD

  
Name: Thomas Oldemeyer

Title: Director

Date: April 12, 2017

FIANIUM INC.

  
Name: Thomas Oldemeyer

Title: Director

Date: April 12, 2017

**APPENDIX**

<b>US Patent Application No.</b>	<b>US Patent Application Publication No.</b>	<b>Filing Date</b>
13/792,173	2013-0208737	March 10, 2013
14/619,471	2015-0303644	February 11, 2015
14/729,998	2016-0036196	June 3, 2015
14/738,839	2015-0375342	June 13, 2015
14/799,601	2016-0072251	July 15, 2015
14/922,514	2016-0195793	October 26, 2015
14/968,863	2016-0268758	December 14, 2015
15/006,047		January 25, 2016
15/017,605	2016-0276800	February 6, 2016
15/017,661	2016-0294147	February 7, 2016

<b>US Patent No.</b>	<b>Grant Date</b>
7,376,296	May 20, 2008
8,379,298	February 19, 2013
8,422,519	April 16, 2013
8,467,422	June 18, 2013
8,593,726	November 26, 2013

<b>US Patent No.</b>	<b>Grant Date</b>
8,718,104	May 6, 2014
8,724,215	May 13, 2014
8,731,008	May 20, 2014
8,767,287	July 1, 2014
8,785,884	July 22, 2014
8,848,750	September 30, 2014
8,902,495	December 2, 2014
8,902,496	December 2, 2014
9,008,135	April 14, 2015
9,020,000	April 28, 2015
9,071,033	June 30, 2015
9,158,177	October 13, 2015
9,172,200	October 27, 2015
9,188,835	November 17, 2015
9,217,824	December 22, 2015
9,246,296	January 26, 2016
9,270,080	February 23, 2016
9,276,371	March 1, 2016
9,287,677	March 15, 2016
9,300,105	March 29, 2016
9,306,093	April 5, 2016
9,425,334	August 23, 2016
9,531,153	December 27, 2016
9,564,731	February 7, 2017
9,570,876	February 14, 2017
9,570,878	February 14, 2017