

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5551442

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
GEMFIRE EUROPE LTD	03/07/2019
KAIAM EUROPE LTD	03/07/2019

**RECEIVING PARTY DATA**

<b>Name:</b>	BROADEX TECHNOLOGIES UK LTD.
<b>Street Address:</b>	STARLAW PARK, STARLAW ROAD
<b>City:</b>	LIVINGSTON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	EH54 8SF

**PROPERTY NUMBERS Total: 12**

Property Type	Number
Patent Number:	6289147
Patent Number:	6539150
Patent Number:	6714700
Patent Number:	6741769
Patent Number:	6768842
Patent Number:	7054516
Patent Number:	7031568
Patent Number:	7016568
Patent Number:	7174071
Patent Number:	6526203
Patent Number:	7555180
Patent Number:	7343070

**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.*

**Email:** henk.bulthuis@broadex-tech.co.uk  
**Correspondent Name:** BROADEX TECHNOLOGIES UK LTD  
**Address Line 1:** STARLAW PARK, STARLAW ROAD  
**Address Line 4:** LIVINGSTON, UNITED KINGDOM EH54 8SF

**PATENT**

<b>NAME OF SUBMITTER:</b>	HINDRIK BULTHUIS
<b>SIGNATURE:</b>	/hindrik bulthuis/
<b>DATE SIGNED:</b>	06/03/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 3</b> source=6.2J.1 190528 Confirmation of assignment of patent rights - signed#page1.tif source=6.2J.1 190528 Confirmation of assignment of patent rights - signed#page2.tif source=6.2J.1 190528 Confirmation of assignment of patent rights - signed#page3.tif	

CONFIRMATION OF ASSIGNMENT OF PATENT RIGHTS

Dated [ *May 23<sup>rd</sup>* ] 2019

WHEREAS, the undersigned Kaiam Europe Limited (formerly named Gemfire Europe Limited) acting by its Administrators Blair Carnegie Nimmo and Alistair McAlinden of KPMG LLP, Saltire Court, 20 Castle Terrace, Edinburgh EH1 2EG (the "Administrators") (hereinafter "Assignor") a limited liability company incorporated in England and Wales with company registration number 03517183 having its registered office at c/o KPMG LLP, 15 Canada Square, London E14 5GL, has transferred various patent properties and attendant rights to Broadex Technologies UK Limited (hereinafter "Assignee"), a company incorporated in Scotland with registered number SC622646 whose registered office is at Starlaw Business Park, Starlaw Road, Livingston, United Kingdom EH54 8SF, by way of an instrument entitled business sale agreement, dated March 7, 2019 (the "BSA").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by Assignor to have been received in full from the Assignee under the terms of the BSA, Assignor and Assignee confirm the following:

1. Assignor sold, assigned, transferred and conveyed unto said Assignee under and subject to the terms of the BSA such right, title and interest as the Assignor had (a) in and to the Assigned Patents and Patent Applications as set forth in the attached Schedule A and to the inventions described in these patents and applications; (b) in and to any and all applications filed and any and all patents granted on said Assigned Patents and Patent Applications (including rights to all past and future damages arising from infringement of these patents); and (c) in and to each and every reissue or extension of any of said Assigned Patents and Patent Applications, in each case with effect on and from March 7, 2019.

2. All innocent or negligent representations, warranties, conditions or guarantees, express or implied, statutory or otherwise about any of the Assigned Patents and Patent Applications are excluded by the Assignor and the Administrators.

3. The Assignor and the Administrators are not liable for any loss, damage, expense or injury of any kind whatever, consequential or otherwise, arising out of or due to or caused by any defect or deficiencies of any sort in any of the Assigned Patents and Patent Applications which were made available to the Assignee by the Assignor or the Administrators at or following the date of the BSA.

4. The Administrators incur no personal liability under, or because of, this Agreement nor any related matter or claim arising and whether the claims are made in contract or tort by reference to any other right or remedy and in whatever jurisdiction or forum. In particular, the Administrators are not liable on any deed or document executed with a view to putting this Agreement into effect, whether the deed or document so provides and the Administrators are entitled to have the deeds or documents amended to include an exclusion of personal liability in the above terms. The Administrators act as agents of the Assignor and have no personal liability by acting in that capacity. Notwithstanding the terms of this clause, nothing in this Agreement shall limit or exclude the Administrators' liability if it is proved to the satisfaction of a court that there has been fraud or deceit on the part of the Administrators.

5. This Agreement shall be governed by and construed in accordance with English law.

6. The parties to this Agreement irrevocably agree that the English courts have exclusive jurisdiction to settle any dispute arising out of or in connection with this Agreement. Each party to this Agreement agrees to waive any objection to the English courts, whether on the grounds of venue or that the forum is not appropriate.

Executed as a deed and delivered on the date appearing at the beginning of this Agreement.

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Assignee

Executed as a deed by **Broadex** )  
**Technologies UK Limited** acting by )  
 )  
being a person or persons who )  
in accordance with the law of Scotland )  
is or are acting under the authority of )  
the company )

Assignor

Signed as a deed by )  
**Kaiam Europe Limited** )  
(in administration) )  
acting by **Alistair McAlinden**, one of its )  
administrators under the powers conferred )  
on him by Schedule 1 to the )  
Insolvency Act 1986 in the presence of )

Signature of witness: .....  
Name of witness: JAMES HUGH DEMPSTER  
Address: c/o KAMA LLP, 319 ST  
VINCENT ST, GLASGOW

The Administrators

Signed as a deed by )  
**Alistair McAlinden** )  
one of the administrators of **Kaiam** )  
**Europe Limited** for all the )  
Administrators of **Kaiam Europe** )  
**Limited** without personal liability in the )  
presence of: )

Signature of witness: .....  
Name of witness: JAMES HUGH DEMPSTER  
Address: c/o KAMA LLP, 319 ST  
VINCENT ST, GLASGOW

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## Schedule A

Patent number	Country/Region	Title
6289147	US	Passband Flattening Of A Phasar
6539150	US	Segmented Waveguide Flattening The Passband Of A Phasar
6714700	US	Micro Electromechanical System and Method for Transmissively Switching Optical Signals
6741769	US	Optical Device
6768842	US	Arrayed Waveguide Grating
7054516	US	Integrated Optical Device
7031568	US	Optical Power Monitor
7016568	US	Arrayed Waveguide Grating With Increased Uniformity Of A Performance Parameter
7174071	US	Arrayed Waveguide Grating With Increased Uniformity Of A Performance Parameter (cont. Appl.)
6526203	US	Arrayed Waveguide Grating With Reduced Crosstalk
7555180	US	Optical Branching Component With Low Polarisation Sensitivity and Increased Process Tolerance
7343070	US	Optical Splitter With Tapered Multimode Interference Waveguide
1218782	EP (GB,DE)	Optical waveguide with a multi-layer core and method of fabrication thereof
1226461	EP (GB)	Phasar With Flattened Pass-band
1250627	EP (GB)	Optical Device
2379517	GB	Optical Arrayed Waveguide Grating
1354230	EP (GB,DE,FR)	Integrated Optical Device
1373950	EP (GB)	Arrayed Waveguide Grating With Increased Uniformity Of A Performance Parameter
1423751	EP (GB)	Integrated Optical Signal Handling Device
1530736	EP (GB)	Improved Optical Splitter With Taperd (sp) Multimode Interference Waveguide
1421422	EP (GB,DE,FR)	Arrayed Waveguide Grating With Reduced Chromatic Dispersion
1430342	EP (GB, DE)	Passband Flattening In An Arrayed Waveguide Grating
1529231	EP (GB)	Optical Branching Component With Low Polarisation Sensitivity

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