

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4170024

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OREE ADVANCED ILLUMINATION SOLUTIONS INC.	10/25/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JUGANU LTD.
<b>Street Address:</b>	16 HAMELACHA STREET
<b>City:</b>	ROSH HAAIN
<b>State/Country:</b>	ISRAEL
<b>Postal Code:</b>	4809139
<b>PROPERTY NUMBERS Total: 34</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14409195
Application Number:	14691816
Application Number:	14849933
Application Number:	15269231
Patent Number:	7570846
Patent Number:	7639916
Patent Number:	7826698
Patent Number:	7907804
Patent Number:	7929816
Patent Number:	8064743
Patent Number:	8128272
Patent Number:	8172447
Patent Number:	8182128
Patent Number:	8215815
Patent Number:	8231237
Patent Number:	8238703
Patent Number:	8272758
Patent Number:	8297786
Patent Number:	8301002
Patent Number:	8328406

PATENT

Property Type	Number
Patent Number:	8358896
Patent Number:	8414174
Patent Number:	8459856
Patent Number:	8542964
Patent Number:	8550684
Patent Number:	8579466
Patent Number:	8591072
Patent Number:	8624527
Patent Number:	8641254
Patent Number:	8727597
Patent Number:	8840276
Patent Number:	8851712
Patent Number:	9039244
Patent Number:	9164218

#### CORRESPONDENCE DATA

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**ATTORNEY DOCKET NUMBER:** ORE

**NAME OF SUBMITTER:** MATTHEW T. CURRIE

**SIGNATURE:** /Matthew T. Currie/

**DATE SIGNED:** 12/05/2016

#### Total Attachments: 5

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## ASSIGNMENT

Whereas OREE ADVANCED ILLUMINATION SOLUTIONS INC. ("Assignor"), whose principal place of business is 29/169, HA'BANAI ST., INDUSTRIAL AREA, Holon 5885707, Israel, is the owner by assignment of certain inventions or discoveries (or both) set forth in the pending patent applications listed on the attached Schedule A and the granted patents listed on the attached Schedule B; and

Whereas JUGANU LTD. ("Assignee"), whose address 16 Hamelacha St., Rosh Haain 4809139, Israel, is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to Assignor, receipt and sufficiency of which is hereby acknowledged, Assignor hereby, without reservation:

1. Assigns, transfers and conveys to Assignee the entire right, title and interest in and to said inventions and discoveries, said pending patent applications and granted patents, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all provisional, divisional, renewal, substitute, continuation, continuation-in-part, and International Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all patents, reissues, reexaminations, and extensions of patents granted for said inventions and discoveries or based upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said granted patents, including, without limitation, the right to sue and recover for past infringement;
2. Authorizes Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in the Assignor's name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorizes and requests the Commissioner for Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent and applications therefor to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct; and
4. Warrants that it has not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that it has good right to assign the same Assignee without encumbrance.

In testimony of which this Assignment has been executed as an instrument under seal on the date indicated below.

OREE ADVANCED ILLUMINATION SOLUTIONS INC.

10/25/16  
Date

By: \_\_\_\_\_

Title: \_\_\_\_\_

  
Chairman of the Board

## SCHEDULE A

### OREE ADVANCED ILLUMINATION SOLUTIONS INC. - Pending Applications

Application No.	Title	Atty. Docket No.
14/409,195	PLANAR REMOTE PHOSPHOR ILLUMINATION APPARATUS	ORE-020
14/691,816	ILLUMINATION APPARATUS CONFINING LIGHT BY TOTAL INTERNAL REFLECTION AND METHODS OF FORMING THE SAME	ORE-016C3
14/849,933	SLIM WAVEGUIDE COUPLING APPARATUS AND METHOD	ORE-005CPC3
15/269,231	SLIM WAVEGUIDE COUPLING APPARATUS AND METHOD	ORE-005CPC4

**SCHEDULE B****OREE ADVANCED ILLUMINATION SOLUTIONS INC. - Granted Patents**

<b>Patent No.</b>	<b>Title</b>	<b>Atty. Docket No.</b>
7,570,846	High efficacy waveguide coupler	
7,639,916	Flexible optical device	
7,826,698	Elimination of stitch artifacts in a planar illumination area	ORE-003CC1
7,907,804	Elimination of stitch artifacts in a planar illumination area	ORE-003C
7,929,816	Waveguide sheet containing in-coupling, propagation, and out-coupling regions	ORE-004C
8,064,743	Discrete light guide-based planar illumination area	ORE-003CC2
8,128,272	Illumination apparatus	ORE-010
8,172,447	Discrete lighting elements and planar assembly thereof	ORE-003A
8,182,128	Planar white illumination apparatus	ORE-004B
8,215,815	Illumination apparatus and methods of forming the same	ORE-010CP
8,231,237	Sub-assembly and methods for forming the same	ORE-001A
8,238,703	Waveguide sheet containing in-coupling, propagation, and out-coupling regions	ORE-004CC1
8,272,758	Illumination apparatus and methods of forming the same	ORE-010CP2
8,297,786	Slim waveguide coupling apparatus and method	ORE-005CP
8,301,002	Slim waveguide coupling apparatus and method	ORE-005
8,328,406	Low-profile illumination device	ORE-009A
8,358,896	Flexible optical device	
8,414,174	Illumination apparatus	ORE-010C1
8,459,856	Planar white illumination apparatus	ORE-004BC1
8,542,964	Waveguide sheet containing in-coupling, propagation, and out-coupling regions	ORE-004CC2
8,550,684	Waveguide-based packaging structures	ORE-003B

Patent No.	Title	Atty. Docket No.
	and methods for discrete lighting elements	
8,579,466	Illumination apparatus and methods of forming the same	ORE-010CP2C1
8,591,072	Illumination apparatus confining light by total internal reflection and methods of forming the same	ORE-016
8,624,527	Independently controllable illumination device	ORE-013
8,641,254	Illumination apparatus	ORE-010C2
8,727,597	Illumination apparatus with high conversion efficiency and methods of forming the same	ORE-015
8,840,276	Illumination apparatus confining light by total internal reflection and methods of forming the same	ORE-016C1
8,851,712	Slim waveguide coupling apparatus and method	ORE-005CPC1
9,039,244	Illumination apparatus confining light by total internal reflection and methods of forming the same	ORE-016C2
9,164,218	Slim waveguide coupling apparatus and method	ORE-005CPC2