504083817 11/06/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

'ersion v1.1 EPAS ID: PAT4130485

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OWEN DRUMM	07/17/2013
JULIEN PIOT	07/17/2013
ROBERT COPPERWHITE	07/18/2016

RECEIVING PARTY DATA

Name:	RAPT IP LIMITED	
Street Address:	VISION EXCHANGE BUILDING, TERRITORIALS STREET	
City:	MRIEHEL	
State/Country:	MALTA	
Postal Code:	BKR 3000	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15194368

CORRESPONDENCE DATA

Fax Number: (650)938-5200

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.

Phone: 650-335-7160

Email: Idean@fenwick.com

Correspondent Name: ANDREW P. WHITEHEAD Address Line 1: FENWICK & WEST LLP 801 CALIFORNIA STREET

Address Line 4: MOUNTAIN VIEW, CALIFORNIA 94041

ATTORNEY DOCKET NUMBER:	28528-34339/US	
NAME OF SUBMITTER:	ANDREW P. WHITEHEAD	
SIGNATURE:	/Andrew P. Whitehead/	
DATE SIGNED:	11/06/2016	

Total Attachments: 3

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PATENT 504083817 REEL: 040233 FRAME: 0568

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold. assigned, and transferred and does hereby sell, assign, and transfer to Rapt IP Limited, a Gibraltar limited liability company, having a registered office at 57/63 Line Wall Road, Gibraltar, and having a place of business at Domestica Building, Fourth Floor, Msida Valley Road, Msida, Malta ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

- The entire worldwide right, title, and interest in all inventions and 1. improvements ("SUBJECT MATTER") that are disclosed in the following nonprovisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):
 - Application No. 13/947,421 , entitled "Augmented Optical Waveguide For Use In An Optical Touch Sensitive Device," filed , which claims priority from a provisional application, filed on July 24, 2012, now bearing U.S. Application No. 61/674,958 and a provisional application, filed on September 14, 2012, now bearing U.S. Application No. 61/701,141.
- The entire worldwide right, title, and interest in and to: (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

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28528/21571/DOCS/2954957.1

PATENT

REEL: 040233 FRAME: 0569

Title:

Augmented Optical Waveguide For Use In An Optical Touch Sensitive Device

Filed:
Application No.:

July 22, 2013 13/947,421

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

By signing below, INVENTOR further attests to the following:

- The APPLICATION was made or authorized to be made by INVENTOR.
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.

INVENTOR hereby acknowledges that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name and Signature	Date of Signature
Owen Drumm	17 July 2013
Name and Signature	Date of Signature
Julien Piot	
Name and Signature	Date of Signature
Robert Copper white	18 July 2018

Title: Filed: Augmented Optical Waveguide For Use In An Optical Touch Sensitive Device

Filed: Application No.: July 22, 2013 13/947,421

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Date of Signature
*
Date of Signature
07/12/2017.
Date of Signature

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