

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
OWEN DRUMM	06/26/2016
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:	14970482
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ATTORNEY DOCKET NUMBER:	28528-30637/US
NAME OF SUBMITTER:	ANDREW P. WHITEHEAD, REG. NO. 62,447
SIGNATURE:	/Andrew P. Whitehead/
DATE SIGNED:	07/27/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2	
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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 Vision Exchange Building, Territorials Street, Mriehel BKR 3000, Malta ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application filed under 35 U.S.C. § 111, design application filed under 35 U.S.C. § 171, 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. **14/970,482**, entitled "**Tactile Effect Waveguide Surface for Optical Touch Detection**," filed on **December 15, 2015**, which claims priority from a provisional application, filed on **December 15, 2014**, now bearing U.S. Application No. **62/091,770**.

2. 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.

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.

Title:	Tactile Effect Waveguide Surface for Optical Touch Detection		
Filed:	December 15, 2015	Attorney Docket #:	28528-30637/US
Application #:	14/970,482		

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.

Name and Signature



Owen Drumm

Date of Signature

29 June 2016