12/19/2014 503109894

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HARMEN JOSEPH SEBASTIAAN DORREN	05/21/2013
ODED RAZ	05/21/2013

RECEIVING PARTY DATA

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City:	EINDHOVEN	
State/Country:	NETHERLANDS	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14577155

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 2: SUITE 300

Address Line 4: PALO ALTO, CALIFORNIA 94306

ATTORNEY DOCKET NUMBER:	TUE-144/CIP	
NAME OF SUBMITTER:	ROBERT LODENKAMPER	
SIGNATURE:	/Robert Lodenkamper/	
DATE SIGNED:	12/19/2014	

Total Attachments: 2

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> **PATENT** REEL: 034558 FRAME: 0297 503109894

ASSIGNMENT OF INVENTION AND PATENT

This Assignment of Invention and Patent (the "Assignment") is made and effective as of May 21, 2013, by and between Oded Raz, an individual residing in Eindhoven, The Netherlands, (the "Assignor") and Technische Universiteit Eindhoven, an entity whose address is Den Dolech 2, Eindhoven 5612 AZ, The Netherlands (the "Assignee").

- 1) For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee and the successors, assigns, and legal representatives of Assignee, all of its right, title and interest in and to (i) the invention or inventions described in US provisional patent application 61/825831 filed 5/21/2013 entitled Fully digital CMOS based optical receiver (the "Application") naming Assignor as an inventor, (ii) any and all patent applications (whether provisional or non-provisional) relating to said invention(s), including all continuations, continuations-in-part, divisions, substitutes, reissues or renewals thereof, in any and all countries, (iii) any and all patents relating to such invention(s) in any and all countries that may be granted on any such application(s), including all reissues or extensions of any such patents and (iv) any and all domestic and foreign rights of priority resulting from the filling of the Application.
- 2) Assignor hereby agrees that no assignment, sale, agreement or encumbrance has been or will be made or entered into by Assignor which would conflict with this Assignment. Assignor represents and warrants to Assignee that at the time of the execution and delivery of this Assignment, Assignor solely owns (or jointly owns, if the invention(s) were jointly made) the entire right, title and interest in and to said invention(s).
- 3) Assignor agrees that Assignee may apply for foreign patents relating to said invention(s) and irrevocably authorizes Assignee and grants Assignee the right to do so.
- 4) Assignor agrees, on request and without further consideration, but at the expense of Assignee, to sign all lawful papers, make all rightful oaths, and give any required testimony in any legal proceedings relating to said invention(s), and to generally aid Assignee, or its successors or assigns to obtain and enforce patent protection for said invention(s) in any and all countries.
- 5) Assignor authorizes and requests any official whose duty it is to issue patents to issue any patent on said invention(s) to Assignee, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.
- 6) This Assignment shall bind and inure to the benefit of the successors, assigns and personal representatives of the respective parties.

Assignor has executed this Assignment as of the Effective Date of May 21, 2013.

Signature: _

Assignor: Oded Raz

Lumen Ref.: TUE-144/PROV

PID: 18517 IID: 5057

ASSIGNMENT OF INVENTION AND PATENT

This Assignment of Invention and Patent (the "Assignment") is made and effective as of May 21, 2013, by and between Harmen Joseph Sebastisan Dorren, an individual residing in Eindhoven, The Netherlands, (the "Assignor") and Technische Universiteit Eindhoven, an entity whose address is Den Dolech 2, Eindhoven 5612 AZ, The Netherlands (the "Assignee").

- 1) For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee and the successors, assigns, and legal representatives of Assignee, all of its right, title and interest in and to (i) the invention or inventions described in US provisional patent application 61/825831 filed 5/21/2013 entitled Fully digital CMOS based optical receiver (the "Application") naming Assignor as an inventor, (ii) any and all patent applications (whether provisional or non-provisional) relating to said invention(s), including all continuations, continuations-in-part, divisions, substitutes, reissues or renewals thereof, in any and all countries, (iii) any and all patents relating to such invention(s) in any and all countries that may be granted on any such application(s), including all reissues or extensions of any such patents and (iv) any and all countries that may be granted on any and application is including all reissues or extensions of any such patents and (iv) any and all countries that may be granted on any and all countries that may be granted on any and all countries.
- 2) Assignor hereby agrees that no assignment, sale, agreement or encumbrance has been or will be made or entered into by Assignor which would conflict with this Assignment. Assignor represents and warrants to Assignee that at the time of the execution and delivery of this Assignment, Assignor solely owns (or jointly owns, if the invention(s) were jointly made) the entire right, title and interest in and to said invention(s).
- Assignor agrees that Assignee may apply for foreign patents relating to said invention(s) and interocably authorizes Assignee and grants Assignee the right to do so.
- 4) Assignor agrees, on request and without further consideration, but at the expense of Assignee, to sign all lawful papers, make all rightful caths, and give any required testimony in any legal proceedings relating to said invention(s), and to generally aid Assignee, or its successors or assigns to obtain and enforce patent protection for said invention(s) in any and all countries.
- 5) Assignor authorizes and requests any official whose duty it is to issue patents to issue any patent on said invention(s) to Assignee, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.
- 6) This Assignment shall bind and inure to the benefit of the successors, assigns and personal representatives of the respective parties.

Assignor has executed this Assignment as of the Effective Date of May 21, 2013.

Assignor: Harrhen Joseph Sebastiaan Dorren

Lumen Ref.: TUE-144/PROV PID: 18517 ID: 4619

PATENT REEL: 034558 FRAME: 0299

RECORDED: 12/19/2014