504391609 05/31/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VICTOR LU	05/31/2017
IAN ENDRES	05/31/2017

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15609781

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NAME OF SUBMITTER:	JONATHAN A. THOMAS
SIGNATURE:	/Jonathan A. Thomas/
DATE SIGNED:	05/31/2017

Total Attachments: 3

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PATENT 504391609 REEL: 042549 FRAME: 0284

ASSIGNMENT

I/we,	(The	ASSIGNO	R(S)):
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Victor Lu Ian Endres

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, hereby assign to (hereafter referred to as The ASSIGNEE):

HERE Global B.V. Kennedyplein 222 -226 5611 ZT Eindhoven Netherlands

An invention entitled (invention Title):

METHOD AND APPARATUS FOR HOMOGRAPHY ESTIMATION

······································
e right to claim the
/e. <u> </u>

The ASSIGNOR(S) do hereby assign the following to each ASSIGNEE; their successors and assigns:

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and

the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

Further, I/We authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

Each Inventor. Please sign and date below:

PATENT REEL: 042549 FRAME: 0285

HN90423

[Victor Lu] Date

Witness Signature Date

Printed Name

PATENT REEL: 042549 FRAME: 0286 HN90423

[lan Endres]

Witness Signature WILLIAM GALE

PATENT REEL: 042549 FRAME: 0287

RECORDED: 05/31/2017