504659125 11/28/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HANNU KAKKORI	03/15/2013

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14776999

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NAME OF SUBMITTER:	JUAN JUAN
SIGNATURE:	/Juan Juan/
DATE SIGNED:	11/28/2017

Total Attachments: 2

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PATENT 504659125 REEL: 044234 FRAME: 0850

I/we, (The ASSIGNOR(S)):

ASSIGNMENT - WORLDWIDE

Hannu KA (Full name of	the Inventor)
	valuable consideration, the receipt and sufficiency of which are hereby acknowledged, n to (hereafter referred to as The ASSIGNEE):
Nokia Corpor Keilalahdentie FI-02150 Esp Finland.	e 4
An invention	entitled (invention Title):
APPARATUS	, METHOD AND COMPUTER PROGRAM FOR CAPTURING IMAGES
<u>x</u>	RIGHTS referred to in this agreement are: PCT Application No. PCT/FI2013/050295 filed on 15 March 2013 ion, executed by the ASSIGNOR(S)
_	U.S. Patent Application Serial No, filed
-	U.S. Patent No, issued
The PATENT	RIGHTS assigned under this agreement are:
<u>x</u>	U.S. Patent rights worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any Patent Application identified above.
The ASSIGN	OR(S) do hereby assign the following to each ASSIGNEE; their successors and assigns:
	the full and exclusive right to the invention;
	an equal interest in and to the entire right, title and interest in and to the PATENT e invention, all continuations, continuations-in-part, divisionals, re-issues, and re-patents and patent applications; and
applications f	the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign or this invention.
Patent to the	As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) rize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and ne sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

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.);

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

PATENT REEL: 044234 FRAME: 0851 NC81250WO

Each Inventor: Please sign and date below:

NAME: Hannu Kakkori

/5. 3. 2013 (Date)

> PATENT REEL: 044234 FRAME: 0852

RECORDED: 11/28/2017