# 504337803 04/25/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4384491

SUBMISSION TYPE:		NEW ASSIGNME	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY	ΔΤΑ					
		Name	Name			
SERGEY SMIRNOV						
MIHAIL GEORGIEV						
ATANAS GOTCHEV				11/06/2014		
RECEIVING PARTY D	ΑΤΑ					
Name:	NOKIA	NOKIA CORPORATION				
Street Address:	KARAK	KARAKAARI 7				
City:	ESPOC	ESPOO				
State/Country:	FINLA	FINLAND				
Postal Code:	02610	02610				
	e Total: 1					
PROPERTY NUMBERS Total: 1 Property Type		Number				
Application Number:	·	15521883				
using a fax number, if Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	be sent to f provideo : IUMBER:	<i>I; if that is unsuccessf</i> 510-303-9002 jackie.thomason@nokia NOKIA USA, INC 200 SOUTH MATHILDA ATTN: INTELLECUAL F SUNNYVALE, CALIFOF	<i>II, it will be sent</i> .com AVE PROPERTY RNIA 94086	uccessful, it will be sent t via US Mail.		
NAME OF SUBMITTER:		JACQUELINE TH	JACQUELINE THOMASON			
SIGNATURE:		/Jacqueline Thom	/Jacqueline Thomason/			
DATE SIGNED:		04/25/2017	04/25/2017			
<b>Fotal Attachments: 4</b> source=NC86200US_As source=NC86200US_As source=NC86200US_As	signment	Corp#page2.tif				

#### ASSIGNMENT

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

#### Sergey Smirnov Mihail Georglev Atanas Gotchev

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

Nokia Corporation Karakaari 7 02610 Espoo Finland

An invention entitled (invention Title):

## METHOD FOR ALIGNMENT OF LOW-QUALITY NOISY DEPTH MAP TO THE HIGH-RESOLUTION COLOUR IMAGE

The PATENT RIGHTS referred to in this agreement are:

- X
   a national Patent Application No. <u>1419379.1</u> filed in Great Britain on <u>October 31, 2014</u> European Patent Application No.

   filed on
- \_ PCT application No. filed on

for this invention, executed by the ASSIGNOR(S)

x	U.S. Patent Application Serial No	15/521883	filed	April 25, 2017
- <b>346</b>	U.S. Patent No.	, issued		

The PATENT RIGHTS assigned under this agreement are:

- X 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 full and exclusive right to the invention;

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 reexamination 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:

NC86200

n. ~

Witness Signature Printed Name <u>(///: Suominen</u>

[Atanas Gotchev]

MAR Same

06 Noveniller 2014 Date

<u>6.11.2.014</u> Date

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[Mihail Georgiev]	
1620-	S Q
Witness Signatury Printed Name	USHA HARANGEELA

18 1100 000 Cere 2-014 Date

18 NOV, 2014 Date

NC86200

 $\propto ... g$ [Sergey Smirnøv] 18 Witness Signature Printed Name Vissos Knonto Malaman VADARTAR

 $\frac{10.11,2014}{\text{Date}}$ \_\_\_\_ Date

**RECORDED: 04/25/2017**