503947310 08/04/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SERGEY SMIRNOV	02/25/2014
ATANAS GOTCHEV	02/21/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15116819

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ATTORNEY DOCKET NUMBER:	83940US INV TO NCORP
NAME OF SUBMITTER:	SANDY FONG-HOU
SIGNATURE:	/Sandy Fong-Hou/
DATE SIGNED:	08/04/2016

Total Attachments: 3

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> **PATENT REEL: 039348 FRAME: 0578** 503947310

ASSIGNMENT

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

Sergey Smirnov 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 Keilalahdentie 4 FI-02150 Espoo Finland.

An invention entitled (invention Title):

METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR IMAGE-DRIVEN COST VOLUME AGGREGATION

The PATENT	RIGHTS referred to in this agreemer	nt are:			
<u>X</u>	a national Patent Application No. 14	02608.2 filed in	n Great Brita	in on February 14,	
~~	2014.	······································		·	
	European Patent Application No.	filed on			
	PCT application No.	filed on			
for this invent	ion, executed by the ASSIGNOR(S)				
x	U.S. Patent Application Serial No.	15/116819	, filed	August 4, 2016	
ano.	U.S. Patent No.	, issued			
The PATENT XX	RIGHTS assigned under this agreen U.S. Patent rights worldwide Patent rights. In this case benefit of the filing date of any Pater	, the assignee			
X	the full and exclusive right to the inv				

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: 039348 FRAME: 0579 NC83940

[Sergey Smirnov]

Witness Signature Printed Name <u>A7和神</u>

25.02.2014 Date

<u>25.02,2014</u> Date

NC83940

[Atanas Gotchev]

Witness Signature Printed Name <u>たいあさんで あなぎらい</u>する

21.02 2014

121.02. CO14

PATENT REEL: 039348 FRAME: 0581

RECORDED: 08/04/2016