505538493 06/21/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ		
		Name	Execution Date
ANTTI ERONEN			12/30/2016
ARTO LEHTINIEMI			02/01/2017
JUSSI LEPPANEN			12/30/2016
JUHA ARRASVUORI			12/30/2016
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City:	ESPOO		
State/Country:	FINLAND		
Postal Code:	02610		
Property Type		Number	
Application Number:	10	6472539	
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ASSIGNMENT

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

Artti Eronen Arto Lehtiniemi Jussi Leppanen Juha Arrasvuori

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

Nokia Technologies OY Karaportti 3 02610 Espoo Finland

An invention entitled (invention Title):

MULTIMEDIA CONTENT

The PATENT RIGHTS referred to in this agreement are:

 ______a national Patent Application No.
 filed on

 X
 European Patent Application No.
 16207436.3

 PCT application No.
 filed on

 For application No.
 filed on

for this invention, 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 assignce 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., filling date, serial number, etc.);

Each Inventor: Please sign and date below:

PATENT REEL: 049552 FRAME: 0596

Witness Signature Printed Name

[Arto Lehtiniemi]

2,1,2489

Date

2-1-2017

Date

<u>AMM</u>

PATENT REEL: 049552 FRAME: 0597

[Jussi Leppanen]

Witness Signature Printed Name <u>Sojをとす M</u>ATE

3012,2016

Date

30-12-2016

Date

PATENT REEL: 049552 FRAME: 0598

. Constant - Harrison

[Antti Eronen]

Witness Signature Printed Name <u>________</u>の子を

Dec 30 2016

Date

30-12-2016 Date

nour

[Juha Arrasvuori]

Juna An

Witness Signature Printed Name ______ EENA HRRASVUORI

30.12.2016

Date

30.12.2016

Date

RECORDED: 06/21/2019