

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
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Property Type	Number
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ASSIGNMENT

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

Miska Hannuksela
 Marja Salmimaa
 Pekka Taimola

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):

**A METHOD AND AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR VIDEO
 ENCODING AND DECODING**

The PATENT RIGHTS referred to in this agreement are:

☒ a national Patent Application No. 20165948 filed in Finland on December 09, 2016.
 -- European Patent Application No. _____ filed on _____
 -- PCT application No. _____ filed on _____

for this invention, executed by the ASSIGNOR(S)

☒ U.S. Patent Application Serial No. 15/831274, filed December 4, 2017
 -- U.S. Patent No. _____, issued _____

The PATENT RIGHTS assigned under this agreement are:

☒ 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 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:

NC102139

Miska Hannuksela

[Miska Hannuksela]

[Signature]

Witness Signature

Printed Name JARI HANNUKSELA

11 Jan 2017

Date

11 Jan 2017

Date

NC102139

Pekka Taimola

[Pekka Taimola]

20.12.2016

Date

Rune Lindholm

Witness Signature

Printed Name

Rune Lindholm

20.12.2016

Date

NC102139

Marja Salmimaa
[Marja Salmimaa]

15.12.2016
Date

[Signature]
Witness Signature
Printed Name TONI JÄRVENPÄ

15.12.2016
Date