

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MIKKO-VILLE ILARI LAITINEN	11/29/2018
MIKKKA VILERMO	11/26/2018
ARTO LEHTINIEMI	11/26/2018
SUJEET MATE	11/12/2018
RECEIVING PARTY DATA	
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Street Address:	KARAPORTTI 3
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State/Country:	FINLAND
Postal Code:	02610
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16556425
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DATE SIGNED:	08/30/2019
Total Attachments: 3	
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ASSIGNMENT AND AGREEMENT

For value received, we, **Mikko-Ville Ilari Laitinen**, Helsinki, Finland; **Miikka Vilermo**, Siuro, Finland; **Arto Lehtiniemi**, Lempala, Finland; **Sujeet Mate**, Tampere, Finland, hereby sell, assign and transfer to **Nokia Technologies OY**, (hereinafter "**Nokia Technologies**"), a corporation established and existing under the laws of Finland, and having its principal place of business at Karaportti 3, 02610 Espoo, Finland, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to "**REPRODUCTION OF PARAMETRIC SPATIAL AUDIO USING A SOUNDBAR**" described in an application for Letters Patent of the United States, Application No. **62/724708**, filed **August 30, 2018**, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to **Nokia Technologies** the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize **Nokia Technologies** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **Nokia Technologies** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to **Nokia Technologies** in the United States and in all countries foreign to the United States, or to such nominees as **Nokia Technologies** may designate.

NC105829-US-PSP

We agree that, when requested, we shall, without charge to **Nokia Technologies** but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Inventor: Mikko-Ville Ilari Laitinen

Signature: 

Date: November 29, 2018

Inventor: Miikka Vilermo

Signature: _____

Date: _____

Inventor: Arto Lehtiniemi

Signature: _____

Date: _____

Inventor: Sujeet Mate

Signature: _____

Date: _____

NC105829-US-PSP

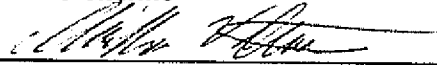
We agree that, when requested, we shall, without charge to **Nokia Technologies** but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Inventor: Mikko-Ville Ilari Laitinen

Signature: _____

Date: _____

Inventor: Miikka Vilermo

Signature: 

Date: 26 NOVEMBER 2018

Inventor: Arto Lehtiniemi

Signature: 

Date: 26 NOVEMBER 2018

Inventor: Sujeet Mate

Signature: 

Date: 11-12-2018