

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ESA TAPANI TIIROLA	05/02/2018
VOLKER BRAUN	05/02/2018
KAROL SCHOBBER	05/02/2018
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<b>Postal Code:</b>	02610
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16245439
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<b>ATTORNEY DOCKET NUMBER:</b>	059864.02825
<b>NAME OF SUBMITTER:</b>	MAJID S. ALBASSAM
<b>SIGNATURE:</b>	/Majid S. AlBassam/
<b>DATE SIGNED:</b>	02/01/2019
<b>Total Attachments: 4</b>	
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**ASSIGNMENT AND AGREEMENT**

For value received, we, Esa Tapani Tirola, of Kempele, Finland, Volker Braun, of Stuttgart, Germany, Karol Schober, of Helsinki, Finland, hereby sell, assign and transfer to Nokia Technologies Oy, 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 "APPARATUSES AND METHODS FOR MANAGING BLIND SEARCHES" described in an application for Letters Patent of the United States, Serial No. 62/616135, filed 11-Jan-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 Oy 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 Oy 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 Oy 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 Oy in the United States and in all countries foreign to the United States, or to such nominees as Nokia Technologies Oy may designate.

We agree that, when requested, we shall, without charge to Nokia Technologies Oy 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: Esa Tapani Tiirola**

**Signature:**  \_\_\_\_\_

**Date:** 2.5.2018

**Inventor: Volker Braun**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Inventor: Karol Schober**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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**Inventor: Esa Tapani Tirola**

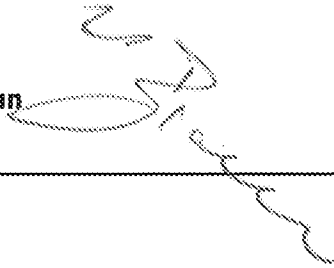
Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Inventor: Volker Braun**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



02-May-2018

**Inventor: Karol Schober**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

We agree that, when requested, we shall, without charge to Nokia Technologies Oy 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: Esa Tapani Tiirola**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Inventor: Volker Braun**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Inventor: Karol Schober**

**Signature:** *Karol Schober*

**Date:** *2nd May 2018*