505278018 01/15/2019

PATENT ASSIGNMENT COVER SHEET

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ATURE OF CONVEYANCE: ASSIGNMENT CONVEYING PARTY DATA Name Execu	
Name Execu	
	tion Date
AALTO-KORKEAKOULUSAATIO 01/14/2	019
RECEIVING PARTY DATA	
Name: RANIOT TECHNOLOGIES OY	
Street Address: C/O OPEN INNOVATION HOUSE, MAARINTIE 6	
nternal Address: COMPANY ID 2890371-1	
City: ESPOO	
State/Country: FINLAND	
Postal Code: 02150	
PROPERTY NUMBERS Total: 1	
Property Type Number	
Application Number: 14001334	
CORRESPONDENCE DATA	
Fax Number: (603)624-1432	
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will b	e sent
using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. Phone: 6036235111	
Email: patfilings@nhpatlaw.com	
Correspondent Name: DANIEL J. BOURQUE	
Address Line 1: 835 HANOVER STREET, SUITE 301	
Address Line 4: MANCHESTER, NEW HAMPSHIRE 03104	
TTORNEY DOCKET NUMBER: AALTO-001XX	
AME OF SUBMITTER: DANIEL J. BOURQUE	
AME OF SUBMITTER: DANIEL J. BOURQUE GNATURE: /djb/	
IGNATURE: /djb/	

ASSIGNMENT

in

In consideration of One Euro and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, AALTO-KORKEAKOULUSAATIO (ASSIGNOR), a Company organized under the laws of Finland and having a principal place of business at Otakarri I, Espoo, Finland 02150 hereby sells and assigns to RANIOT Technologies Oy (ASSIGNEE), a Company organized under the laws of Finland, and having a principal place of business at c/o Open Innovation House, Maarintie 6, 02150 Espoo, FINLAND, Company ID 2890371-1, its successors and assigns, the entire right, title and interest, including all rights of trade secret and copyright, in all works associated therewith, along with the right to claim priority under the International Convention, throughout the United States, its territories and all foreign countries and all rights to recover for prior infringement occurring prior to the date of this assignment, in and to the invention entitled

A METHOD AND A SYSTEM FOR CONTROLLING THE AGGREGATE INTERFERENCE IN COGNITIVE RADIO NETWORKS

and the application for United States Letters Patent therefore bearing Application No. 14/001,334 filed July 21, 2015 (now US Patent No. 9,088,910) and identified as Attorney Docket No. AALTO-001XX, and such further patents as may issue thereon including and all divisions, reissues and continuations thereof.

ASSIGNOR hereby covenants that it have full right to make such assignment, and agree for itself, its executors and administrators that it will, at the expense of said RANIOT Technologies Oy, execute all applications for patents in foreign countries, execute all divisional, continuing, reissue and re-examination applications, execute all applications for copyright registration, make all rightful oaths, sign all lawful papers, testify in any proceeding in which said invention or any application or patent directed thereto may be involved, and generally do everything possible to aid said RANIOT Technologies Oy, its successors and assigns, to obtain and enforce proper patent and copyright protection for said invention in the United states, its territories and all foreign countries.

IN WITNESS WHEREOF, the undersigned, on behalf of AALTO-KORKEAKOULUSAATIO, has hereunto willingly signed this Assignment.

Date: 14.1.2019 By; _____ Signature MATTI KORPELA Printed Name HEAD OF INDOVATION SERVICES Title WITNESSES: Care Sami Ala-Luulto Date: 15.1.2019 PRINT NAME Sami Ala-Luulto Date: 15.1.2019 Jaik SIGNATURE SIGNATURE

PATENT REEL: 048000 FRAME: 0988

RECORDED: 01/15/2019