PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5356641

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTTI JAAKKOLA	01/17/2019
PANU PEKKO	01/15/2019

RECEIVING PARTY DATA

Name:	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY		
Street Address:	VUORIMIEHENTIE 3		
City:	ESPOO		
State/Country:	FINLAND		
Postal Code:	FI-02150		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16313655	

CORRESPONDENCE DATA

Fax Number: (703)816-4100

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703-816-4000

Email: bnapear@nixonvan.com, PTOmail@nixonvan.com

Correspondent Name: NIXON & VANDERHYE P.C. Address Line 1: 901 NORTH GLEBE ROAD

Address Line 2: 11TH FOOR

Address Line 4: ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER:	GPK-227-285	
NAME OF SUBMITTER:	GORDON P. KLANCNIK	
SIGNATURE:	/Gordon P. Klancnik/	
DATE SIGNED:	02/01/2019	
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 2

source=227-285_DeclarationAssignment#page1.tif source=227-285_DeclarationAssignment#page2.tif

PATENT 505309861 REEL: 048222 FRAME: 0538

Doc code: Oath					
Document Description: Oath or decisration filed	Attorney Docket Number	7700 300 346			
	First Named Inventor	GPR-227-288			
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILIT	L	APPI ICATION (37 CFP 1 81)			
USING AN APPLICATION DATA		the second section as it comes			
Declaration Submitted With Initial Filing	•				
OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R.	C + 16/0) engined)				
⊠ Decasación Submitteo After finitial Filling (surcharge (37 C.F.R.	3 1'10(1)) (ednian)				
MICROMECHANICAL	RESONATOR				
(1500 of the image As a below named inventor, I hereby declare that:	855)				
This declaration is directed to:					
the attached application, or					
United States Application Number 16/313,655 filed December	27, 2013. or				
PCT International application number filed on					
The above-identified application was made or authorized to be made by r	N.a.	:			
I believe I am the original inventor or an original joint inventor of a claimer					
I hereby acknowledge that any willful false statement made in this declara-					
by fine or impresonment of not more than five (5) years, or both.					
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an inve	• •				
WHEREAS, TEKNOLOGIAN TUTKIMUSKESKUS VTT OY (hereinatter A Vuonmiehentie 3, Espoo, FINLAND FI-02150, is destrous of acquiring an	(SSIGNEE), an entity, having interest therein;	an office and place of business at			
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives. ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNRE hereby authorizes and requests the Commissioner of Patents and Trademinks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vandertiye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention:					
ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.					
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred, and					
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.					
AGREED and executed as noted below:					
LEGAL NAME OF INVENTOR/JOINT INVENTOR:					
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)					
Antti Inventor's Signature	Date:	JAAKKOLA			
- FUTH TORRECCE	2017	-01-17			
Witnessed by: HANNA SARKIO					
Signature of writesis	Date:				
Maria	2019	-01-17			

PATENT REEL: 048222 FRAME: 0539 Doc code: Oath Document Description: Oath or declaration filed Attorney Docket Number GPK-227-285 First Named Inventor JAAKKOLA, Antti INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) MICROMECHANICAL RESONATOR (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application Number 16/313,655 filed December 27, 2018, or PCT International application number filed on The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. WHEREAS, TEKNOLOGIAN TUTKIMUSKESKUS VTT OY (hereinafter ASSIGNEE), an entity, having an office and place of business at Vuorimiehentie 3, Espoo, FINLAND FI-02150, is desirous of acquiring an interest therein; NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

PATENT REEL: 048222 FRAME: 0540

ES PORT

PEKKO

2019

Date

Date:

RECORDED: 02/01/2019

Inventor's Signature:

Signature of witness:

Witnessed by: Name: