506615885 04/19/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HARI KALVA	04/19/2021
BORIVOJE FURHT	04/07/2021

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 7

Property Type	Number
PCT Number:	US2019054069
Application Number:	17220028
PCT Number:	US2019054816
Application Number:	17254494
Application Number:	17193617
Application Number:	17193671
Application Number:	17193712

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506615885 PATENT REEL: 055966 FRAME: 0857

DATE SIGNED: 04/19/2021

Total Attachments: 4

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PATENT REEL: 055966 FRAME: 0858

ASSIGNMENT

We, Borivoje Furht, and Hari Kalva, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to Florida Atlantic University Research Corporation ("FAURC"), Boca Raton, FL, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent identified in Appendix "A" attached hereto and including any subsequently filed applications in any country of the world, which claim priority to, and/or the benefit of the identified U.S. Patent Applications, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any

PATENT

REEL: 055966 FRAME: 0859

ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters
Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. Date: Date: 17/202/
onguantie Or. Districte Patric
IN WITNESS WHEREOF, I, Sonding Fuith, hereby declare (Printed Name of Witness)
that I was personally present and did see the above-named person dully sign and execute the assignment.
Signature of Witness)
Date: 474021
IN WITNESS WHEREOF, I, ONG 773- WELL hereby declare (Printed Name of Witness)
that I was personally present and did see the above-named person dully sign and execute the assignment.
(Signature of Witness)
Date: 4/7/202/
Date: 1 Apv 2021 Signature of: Hari Kalva
IN WITNESS WHEREOF, I, RONAN FALVA hereby declare (Printed Name of Witness)
that I was personally present and did see the above-named person dully sign and execute the assignment.
(Signature of Witness)
Date: 4/19/2

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IN WITNESS WHEREOF, I,	NATRO	OKAPA	hereby declare
	(Print	ed Name of Witness)	
that I was personally present and assignment.	did see the above-	-named person duity si	in and execute one
Signature of Witness)			
Date:			

PATENT REEL: 055966 FRAME: 0861

Appendix A:

Docket No.	Application No.	Date Filed	Application Title
1097-001PCT1	PCT/US19/54069	10/1/2019	METHODS AND SYSTEMS OF EXPONENTIAL PARTITIONING
1097-001USU1	17/220,028	4/1/2021	METHODS AND SYSTEMS OF EXPONENTIAL PARTITIONING METHODS AND SYSTEMS FOR CONSTRUCTING MERGE CANDIDATE LIST INCLUDING ADDING A NON-ADJACENT DIAGONAL SPATIAL MERGE
1097-002PCT1	PCT/US19/54816	10/4/2019	CANDIDATE METHODS AND SYSTEMS FOR CONSTRUCTING MERGE CANDIDATE LIST INCLUDING ADDING A NON- ADIACENT DIAGONAL SPATIAL MERGE
1097-002USU1	17/282,912	4/5/2021	CANDIDATE
1097-034USU1	17/254,494	12/21/2020	BLOCK LEVEL GEOMETRIC PARTITIONING METHODS AND SYSTEMS FOR ADAPTIVE
1097-037USC1	17/193,617	3/5/2021	CROPPING
1097-037USC2	17/193,671	3/5/2021	METHODS AND SYSTEMS FOR ADAPTIVE CROPPING
1097-037USC3	17/193,712	3/5/2021	METHODS AND SYSTEMS FOR ADAPTIVE CROPPING

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RECORDED: 04/19/2021