507604034 11/17/2022

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENNETH R. DUFFY	06/20/2018

RECEIVING PARTY DATA

Name:	NATIONAL UNIVERSITY OF IRELAND, MAYNOOTH
Street Address:	COMMERCIALISATION OFFICE, JOHN HUME BUILDING
Internal Address:	ROOM 3.18
City:	MAYNOOTH, CO., KILDARE
State/Country:	IRELAND

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17819697

CORRESPONDENCE DATA

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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.

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Correspondent Name: DALY, CROWLEY, MOFFORD & DURKEE, LLP

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Address Line 2: SUITE 201B

Address Line 4: WESTWOOD, MASSACHUSETTS 02090

ATTORNEY DOCKET NUMBER:	MIT-361HUS	
NAME OF SUBMITTER:	DAVID E. BLAU	
SIGNATURE:	/David E. Blau, #60,625/	
DATE SIGNED:	11/17/2022	

Total Attachments: 2

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PATENT **REEL: 061810 FRAME: 0828** 507604034

ASSIGNMENT

Whereas I, the undersigned, Kenneth R. DUFFY, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: DECODING SIGNALS BY GUESSING NOISE, identified as Attorney Docket No. MIT-361AUS and Client Case No. 20169, which application was executed on July 3, 2018 and assigned Application No. 110 Colo 8/1. In the event that the execution date, filing date. National Stage entry date and/or Application No. are not entered above or are incorrect at the time I executed this document, and if such information is deemed necessary, I hereby authorize and request the attorneys request the attorneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 354A Tumpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the filing date and/or Application No. of said application.

Whereas NATIONAL UNIVERSITY OF IRELAND, MAYNOOTH, having a place of business at Commercialisation Office, John Hume Building, Room 3.18, Maynooth, Co. Kildare, IRELAND, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

- 1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, reexamination, PCT, PCT National Stage and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;
- 2. Authorize Assignce to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignce or otherwise as Assignce may deem advisable, under the International Convention or otherwise;
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
- 4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

PATENT ASSIGNMENT Atty. Dekt. No.: MIT-361AUS

Client Case No.: 20169

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have executed this Assignment as an instrument on the date indicated next to my name.

Dated: <u>20 DUNE ZOLK</u>	12 con R MMM
	Kenneth R. DUFFY
Witnessed by:	h.
Dated: 20/6/18	
	First Witness Signature
	PETER GHON Winner Brinted Name
	First Witness Printed Name
Dated: 20 6 18	10 10
	Second Witness Signature
	Park Trastel
	Second Witness Printed Name

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RECORDED: 11/17/2022