

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5437477

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Timothy James O'Shea	03/24/2019
Tugba Erpek	03/22/2019
RECEIVING PARTY DATA	
Name:	VIRGINIA TECH INTELLECTUAL PROPERTIES, INC.
Street Address:	1700 KRAFT DRIVE, SUITE 2250
City:	BLACKSBURG
State/Country:	VIRGINIA
Postal Code:	24060
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16012691
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	44837-0011001
NAME OF SUBMITTER:	SHARON M. ALLEN
SIGNATURE:	/Sharon M. Allen/
DATE SIGNED:	03/25/2019
Total Attachments: 2	
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source=44837-0011001 Executed Assgn #page2.tif	

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, TIMOTHY JAMES O'SHEA, and TUGBA ERPEK, each individually assigns to VIRGINIA TECH INTELLECTUAL PROPERTIES, INC., a corporation formed under the laws of Delaware and having a principal place of business at 1700 Kraft Drive, Suite 2250, Blacksburg, VA 24060, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "ENCODING AND DECODING OF INFORMATION FOR WIRELESS TRANSMISSION USING MULTI-ANTENNA TRANSCEIVERS," and was or will be filed in the United States Patent and Trademark Office on June 19, 2018, as application 16/012,691 (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

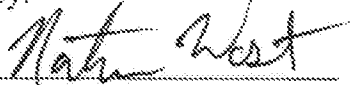
We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.


Timothy James O'Shea

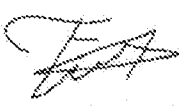
Date: 3/24/2019

Witnessed by:

Signature: 

Date: 3/24/2019

Print Name: Nathan West


Tugba Erpek

Date: 03/22/2019

Witnessed by:

Signature: 

Date: 3/22/2019

Print Name: Timothy James O'Shea

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: VIRGINIA TECH INTELLECTUAL PROPERTIES, INC.

Signature: _____ Date: _____

Name: _____

Title: _____

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