506592363 04/05/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6639166

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Neal D. Becker	08/26/2020

RECEIVING PARTY DATA

Name:	HUGHES NETWORK SYSTEMS, LLC
Street Address:	11717 EXPLORATION LANE
City:	GERMANTOWN
State/Country:	MARYLAND
Postal Code:	20876

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17222016

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

(404) 724-2788 Phone: Email: apsi@fr.com

Correspondent Name: CHRISTOPHER D. WRIGHT Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	41194-0027002
NAME OF SUBMITTER:	SHARON M. ALLEN
SIGNATURE:	/Sharon M. Allen/
DATE SIGNED:	04/05/2021

Total Attachments: 2

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> **PATENT** REEL: 055822 FRAME: 0554 506592363

Attorney Docket No.: 41194-0027001 / P2019-07-01

ASSIGNMENT

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, NEAL D. BECKER, assign to HUGHES NETWORK SYSTEMS, LLC, a corporation formed under the laws of Delaware and having a principal place of business at 11717 Exploration Lane, Germantown, MD 20876, and its successors, transferees, and assignees (collectively the "Assignee"), all of my right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names me as inventor, is titled "COMPENSATING FOR FREQUENCY-DEPENDENT I-O PHASE IMBALANCE," and was filed in the United States Patent and Trademark Office on December 31, 2019, as application 16/731,539 (the "Application").

This Assignment assigns, in addition to the Subject Matter, (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.

To the extent any portion of the rights assigned by this Assignment has previously been assigned to the Assignee, this Assignment is a confirmation of the previous assignment.

I 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 my name or in the Assignee's name.

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

I 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.

PATENT REEL: 055822 FRAME: 0555

Leel U Bulon	Date: <u>\$/26/2020</u>
veal D. Becker	보이고 실험하다 하는 아이에 합니다. 사람이 하는 사람이 하는 것이다. 그 그림에 가는 것이 있다면 하는 것을 보고 있는 것이다.
Vitnessed by:	
Signature:	Date:
rint Name:	
ne Assignee hereby acknowledges and ac	and the state of t
and the second s	cepts the foregoing assignment.
Assignee: HUGHES NETWORK SYSTE	
Assignee: HUGHES NETWORK SYSTE	MS, LLC
Assignee: HUGHES NETWORK SYSTE Signature: Vame:	MS, LLC

Assignment Page 2 of 2

PATENT REEL: 055822 FRAME: 0556