504809745 03/08/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4856479

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
NORTH CAROLINA STATE UNIVERSITY, RALEIGH	02/23/2018

RECEIVING PARTY DATA

Name:	NATIONAL SCIENCE FOUNDATION
Street Address:	2415 EISENHOWER AVENUE
Internal Address:	ROOM W 18000
City:	ALEXANDRIA
State/Country:	VIRGINIA
Postal Code:	22314

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15257354

CORRESPONDENCE DATA

Fax Number: (703)292-9041

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.

Email: nsfpatents@nsf.gov

NATIONAL SCIENCE FOUNDATION **Correspondent Name:**

Address Line 1: 2415 EISENHOWER AVENUE

Address Line 2: **ROOM W 18000**

Address Line 4: ALEXANDRIA, VIRGINIA 22314

NAME OF SUBMITTER:	DANA THIBODEAU
SIGNATURE:	/DMT/
DATE SIGNED:	03/08/2018

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> **PATENT REEL: 045528 FRAME: 0509** 504809745

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nvention Title: Tunable Filters, Cancellers, and Duplexers Based on Passive Mixers
nventor(s): Charley Wilson, Brian Floyd, Jeffrey Bonner-Stewart, Frederick Vosburgh
U.S. Filing/Issue Date: 09/06/2016
Patent or Application Serial No.: 15/257, 354
Grant/Contract Number(s): 1353189
Foreign Applications filed/intended in (countries):
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(Institutional Business Official) (Signature) (Signature) (Signature)
For north carolina state university raleigh
(Grantee/Contractor Organization)
M 1021 Main Campus Dr Raleigh, NC 27606
(Businese Address)

PATENT REEL: 045528 FRAME: 0510

RECORDED: 03/08/2018