

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6032800

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DONG KYU LEE	10/04/2019
YIH-YUH KELVIN DOONG	10/11/2019
TUAN PHAM	10/03/2019
KLAUS F. SCHUEGRAF	10/07/2019
CHRISTOPH DOLAINSKY	10/09/2019
HUAN-TSUNG HUANG	10/11/2019
HENDRIK SCHNEIDER	10/08/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PDF SOLUTIONS, INC.
<b>Street Address:</b>	2858 DE LA CRUZ BLVD.
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95050
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16211545
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)233-4545
<i>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.</i>	
<b>Email:</b>	desiree.ortiz@pillsburylaw.com
<b>Correspondent Name:</b>	PILLSBURY WINTHROP SHAW PITTMAN LLP
<b>Address Line 1:</b>	P.O. BOX 10500
<b>Address Line 4:</b>	MCLEAN, VIRGINIA 22102
<b>ATTORNEY DOCKET NUMBER:</b>	063207-0461540
<b>NAME OF SUBMITTER:</b>	DESIREE ORTIZ
<b>SIGNATURE:</b>	/desireeortiz/
<b>DATE SIGNED:</b>	03/26/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 2**

source=PDFS-0142-u1Dec\_assign 4838-6587-5384 v-1#page1.tif

source=PDFS-0142-u1Dec\_assign 4838-6587-5384 v-2#page1.tif

**Combined Inventor's Declaration, Assignment, and Designation  
of PDF Solutions, Inc. as Applicant for Patent**

Inventorship

I, as the undersigned inventor or one of the undersigned joint inventors, hereby declare as follows with respect to U.S. Patent Application Serial No. 16/211,545, entitled "DIRECT MEMORY CHARACTERIZATION USING PERIPHERY TRANSISTORS," filed December 6, 2018, (hereafter referred to as "the application" or "the above-identified application"):

The above-identified application was made or authorized to be made by me.

1. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Assignment of Rights

Pursuant to legal obligation, and for good and valuable consideration, both of which are hereby acknowledged, I hereby assign and/or acknowledge my previous assignment of all of my right, title, and interest in the application and any invention or patent application for any invention disclosed therein, as well as any non-provisional, continuation, divisional, continuation-in-part, reexamination, reissue, extension, or foreign counterpart of any of the foregoing, to **PDF Solutions, Inc., a Delaware corporation, having a principal place of business in Santa Clara, California** (hereafter, "PDF").

Designation of PDF as Applicant

I hereby acknowledge that the foregoing assignment will enable PDF to file and prosecute patent applications, as the applicant, for any of the assigned applications/inventions. I consent to PDF's use of my name as inventor or joint inventor on patents and patent applications covered by the

assignment herein, and I hereby designate PDF as my attorney-in-fact with respect to any such patents or patent applications.

<u><i>Dongkyu Lee</i></u> Dongkyu Lee (Oct 4, 2019)	<u>Oct 4, 2019</u>
Dong Kyu Lee	Date
<u><i>Yih-Yuh Doong</i></u> Yih-Yuh Doong (Oct 11, 2019)	<u>Oct 11, 2019</u>
Kelvin Yih-Yuh Doong	Date
<u><i>Tuan Pham</i></u> Tuan Pham (Oct 3, 2019)	<u>Oct 3, 2019</u>
Tuan Pham	Date
<u><i>Klaus F Schuegraf</i></u> Klaus F Schuegraf (Oct 7, 2019)	<u>Oct 7, 2019</u>
Klaus Schuegraf	Date
<u><i>Christoph Dolainsky</i></u> Christoph Dolainsky (Oct 9, 2019)	<u>Oct 9, 2019</u>
Christoph Dolainsky	Date
<u><i>Huan-Tsung Huang</i></u> Huan-Tsung Huang (Oct 11, 2019)	<u>Oct 11, 2019</u>
Huan Tsung Huang	Date
<u><i>H. Schneider</i></u> H. Schneider (Oct 8, 2019)	<u>Oct 8, 2019</u>
Hendrik Schneider	Date