

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5622561

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STEPHEN LAM	04/21/2016
DENNIS CIPCLICKAS	04/15/2016
TOMASZ BROZEK	04/20/2016
JEREMY CHENG	05/06/2016
SIMONE COMENSOLI	04/13/2016
INDRANIL DE	04/12/2016
KELVIN DOONG	04/28/2016
HANS EISENMANN	04/26/2016
TIMOTHY FISCUS	04/13/2016
JONATHAN HAIGH	04/13/2016
CHRISTOPHER HESS	04/12/2016
JOHN KIBARIAN	04/18/2016
SHERRY LEE	04/14/2016
MARCI LIAO	04/15/2016
SHENG-CHE LIN	04/28/2016
HIDEKI MATSUHASHI	04/25/2016
KIMON MICHAELS	04/18/2016
CONOR O'SULLIVAN	04/21/2016
MARKUS RAUSCHER	04/26/2016
VYACHESLAV ROVNER	04/13/2016
ANDRZEJ STROJWAS	04/28/2016
MARCIN STROJWAS	04/13/2016
CARL TAYLOR	04/13/2016
RAKESH VALLISHAYEE	04/12/2016
LARG WEILAND	04/21/2016
NOBUHARU YOKOYAMA	04/13/2016
MATTHEW MOE	06/28/2019
RECEIVING PARTY DATA	
Name:	PDF SOLUTIONS, INC.
Street Address:	2858 DE LA CRUZ BLVD.

City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95050

PROPERTY NUMBERS Total: 20

Property Type	Number
Application Number:	16458042
Application Number:	16458082
Application Number:	16458085
Application Number:	16458087
Application Number:	16458088
Application Number:	16458090
Application Number:	16458092
Application Number:	16458095
Application Number:	16458099
Application Number:	16458102
Application Number:	16458113
Application Number:	16458128
Application Number:	16458131
Application Number:	16458133
Application Number:	16458145
Application Number:	16458152
Application Number:	16458158
Application Number:	16458163
Application Number:	16458167
Application Number:	16458176

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 4124521852

Email: garrod.david@gmail.com

Correspondent Name: DAVID GARROD, PH.D., ESQ.

Address Line 1: 711 IVY STREET

Address Line 4: PITTSBURGH, PENNSYLVANIA 15232

NAME OF SUBMITTER:	DAVID GARROD, PH.D., ESQ.
SIGNATURE:	/david garrod/
DATE SIGNED:	07/17/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 18

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**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 the following U.S. Patent Applications: No. 15/090,256, entitled "Integrated Circuit Containing DOEs of NCEM-enabled Fill Cells," filed Apr. 4, 2016, as docket no. PDFS-0112-u1; No. 15/090,267, entitled "Process for Making Semiconductor Dies, Chips, and Wafers Using In-Line Measurements Obtained From DOEs of NCEM-enabled Fill Cells," filed Apr. 4, 2016, as docket no. PDFS-0112-u2; and No. 15/090,274, entitled "Mesh-Style NCEM Pads, and Process for Making Semiconductor Dies, Chips, and Wafers Using In-Line Measurements from Such Pads," filed Apr. 4, 2016, as docket no. PDFS-0112-u3 (hereafter collectively referred to as "the applications" or "the above-identified applications"):

1. The above-identified applications were made or authorized to be made by me.
2. I believe that I am the original inventor or an original joint inventor of a claimed invention in the applications.

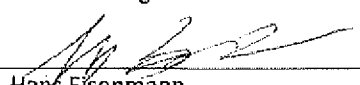
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

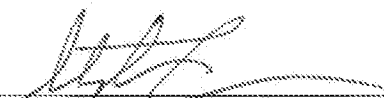
Assignment of Rights

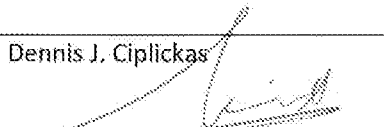
Pursuant to legal obligation, and for good and valuable consideration, both of which are hereby acknowledged, I **hereby assign and/or acknowledge my previous assignment of** all of my right, title, and interest in the applications and any inventions or patent applications for any inventions disclosed 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 San Jose, California** (hereafter, "PDF").

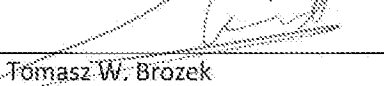
Designation of PDF as Applicant

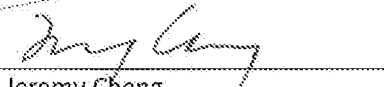
I hereby acknowledge that the foregoing assignment will enable PDF to file and prosecute patent applications, as the applicant, for any of the assigned applications/inventions. I consent to PDF's use of my name as inventor or joint inventor on patents and patent applications covered by the assignment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

Stephen Lam	Date
Dennis J. Ciplickas	Date
Tomasz W. Brozek	Date
Jeremy Cheng	Date
Simone Comensoli	Date
Indranil De	Date
Kelvin Doong	Date
 Hans Eisenmann	April 26, 2016 Date
Timothy Fiscus	Date
Jonathan Haigh	Date
Christopher Hess	Date
John Kibarian	Date
Sherry Lee	Date


Stephen Lam Date 04/21/2016


Dennis J. Ciplickas Date


Tomasz W. Brozek Date 04/20/2016


Jeremy Cheng Date 5/6/16

Simone Comensoli Date

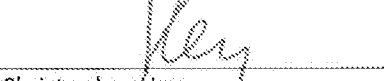

Indranil De Date 04/12/2016

Kelvin Doong Date

Hans Eisenmann Date

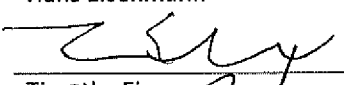
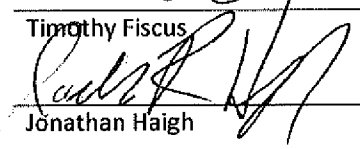
Timothy Fiscus Date

Jonathan Haigh Date


Christopher Hess Date 04/12/2016

John Kibarian Date

Sherry Lee Date

Stephen Lam	Date
Dennis J. Ciplickas	Date
Tomasz W. Brozek	Date
Jeremy Cheng	Date
Simone Comensoli	Date
Indranil De	Date
Kelvin Doong	Date
Hans Eisenmann	Date
	4/13/16
Timothy Fiscus	Date
	04/13/16
Jonathan Haigh	Date
Christopher Hess	Date
John Kibarian	Date
Sherry Lee	Date

Stephen Lam

Date



4/15/2016

Dennis J. Ciplickas

Date

Tomasz W. Brozek

Date

Jeremy Cheng

Date

Simone Comensoli

Date

Indranil De

Date

Kelvin Doong

Date

Hans Elsenmann

Date

Timothy Fiscus

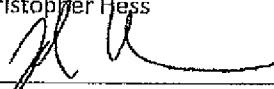
Date

Jonathan Haigh

Date

Christopher Hess

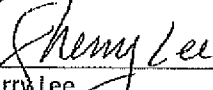
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4/18/2016

John Kibarian

Date

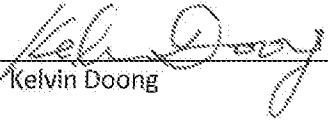


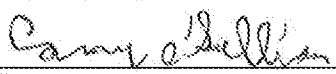
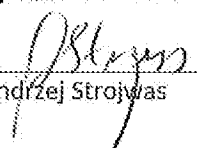
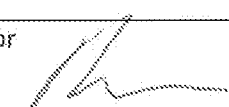
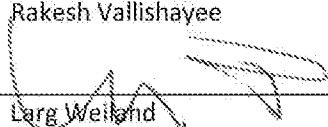
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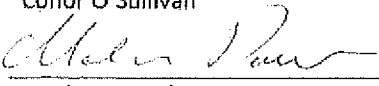
Sherry Lee

Date

Stephen Lam	Date
Dennis J. Ciplickas	Date
Tomasz W. Brozek	Date
Jeremy Cheng	Date
<i>Simone Comensoli</i>	<i>2016/04/13</i>
Simone Comensoli	Date
Indranil De	Date
Kelvin Doong	Date
Hans Eisenmann	Date
Timothy Fiscus	Date
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Christopher Hess	Date
John Kibarlan	Date
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Stephen Lam	Date
Dennis J. Ciplickas	Date
Tomasz W. Brozek	Date
Jeremy Cheng	Date
Simone Comensoli	Date
Indranil De	Date
 Kelvin Doong	04/28/2016 Date
Hans Eisenmann	Date
Timothy Fiscus	Date
Jonathan Haigh	Date
Christopher Hess	Date
John Kibarian	Date
Sherry Lee	Date

Marci Liao	Date
Sheng-Che Lin	Date
Hideki Matsuhashi	Date
Kimon Michaels	Date
 Conor O'Sullivan	Apr. 21 2016 Date
Markus Rauscher	Date
Vyacheslav Rovner	Date
 Andrzej Strojwas	4/28/2016 Date
Marcin Strojwas	Date
Carl Taylor	Date
 Rakesh Vallishayee	4/10/2016 Date
 Lerg Weiland	4/11/16 Date
Nobuharu Yokoyama	Date

Marci Liao	Date
Sheng-Che Lin	Date
Hideki Matsushashi	Date
Kimon Michaels	Date
Conor O'Sullivan	Date
	4/26/2016
Markus Rauscher	Date
Vyacheslav Rovner	Date
Andrzej Strojwas	Date
Marcin Strojwas	Date
Carl Taylor	Date
Rakesh Vallishayee	Date
Larg Weiland	Date
Nobuharu Yokoyama	Date

Marci Liao Date

Sheng-Che Lin Date

Hideki Matsuhashi 4/25/2016

Hideki Matsuhashi Date

Kimon Michaels Date

Conor O'Sullivan Date

Markus Rauscher Date

Vyacheslav Rovner Date

Andrzej Strojwas Date

Marcin Strojwas Date

Carl Taylor Date

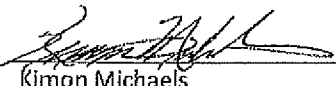
Rakesh Vallishayee Date

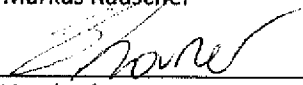
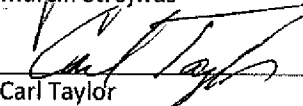
Larg Weiland Date

Nobuharu Yokoyama Date

Marci Liao	Date
<i>Sheng-Che Lin</i>	<i>2016/04/28</i>
Sheng-Che Lin	Date
Hideki Matsuhashi	Date
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Marcin Strojwas	Date
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Nobuharu Yokoyama	Date

<u>Marc Liao</u> Marc Liao	<u>4/15/2016</u> Date
<u>Sheng-Che Lin</u>	Date
<u>Hideki Matsuhashi</u>	Date
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<u>Vyacheslav Rovner</u>	Date
<u>Andrzej Strojwas</u>	Date
<u>Marcin Strojwas</u>	Date
<u>Carl Taylor</u>	Date
<u>Rakesh Vallishayee</u>	Date
<u>Larg Welland</u>	Date
<u>Nobuharu Yokoyama</u>	Date

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Marcin Strojwas	Date
Carl Taylor	Date
Rakesh Vallishayee	Date
Larg Weiland	Date
 Nobuharu Yokoyama	2016/04/13 Date

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

Inventorship

I, as one of the undersigned joint inventors, hereby declare as follows with respect to U.S. Patent Application Docket No. PDFS-0112-u2-CIP, entitled "IC With Test Structures And E-Beam Pads Embedded Within A Contiguous Standard Cell Area," filed herewith (hereafter referred to as "the application" or "the above-identified application"):

1. The above-identified application was made or authorized to be made by me.
2. I believe that I am 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.

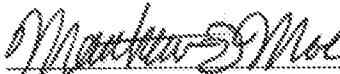
Assignment of Rights

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 inventions or patent applications for any inventions 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.

Stephen Lam	Date
Dennis J. Ciplickas	Date
Tomasz W. Brozek	Date
Jeremy Cheng	Date
Simone Comensoli	Date
Indranil De	Date
Kelvin Doong	Date
Hans Eisenmann	Date
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Christopher Hess	Date
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Sherry Lee	Date
Marcí Liao	Date
Sheng-Che Lin	Date

Hideki Matsuhashi	Date
Kimon Michaels	Date
 Matthew Moe	June 28, 2019 Date
Conor O'Sullivan	Date
Markus Rauscher	Date
Vyacheslav Rovner	Date
Andrzej Strojwas	Date
Marcin Strojwas	Date
Carl Taylor	Date
Rakesh Vallishayee	Date
Larg Weiland	Date
Nobuharu Yokoyama	Date