

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6110410

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the THE NAME OF INVENTOR BOGDAN SWEDEK ON THE ASSIGNMENT previously recorded on Reel 036521 Frame 0372. Assignor(s) hereby confirms the CORRECT FULL NAME OF THE INVENTOR SHOULD HAVE BEEN LISTED ON THE ASSIGNMENT AS BOGUSLAW SWEDEK.

CONVEYING PARTY DATA

Name	Execution Date
Dominic J. Benvegna	09/29/2005
Jeffrey Drue David	09/26/2005
Boguslaw A. Swedek	09/21/2005

RECEIVING PARTY DATA

Name:	APPLIED MATERIALS, INC.
Street Address:	3050 BOWERS AVENUE
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14832997

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.

Phone: (650) 839-5070
Email: wamsley@fr.com, apsi@fr.com
Correspondent Name: DAVID J. GOREN
Address Line 1: FISH & RICHARDSON P.C.
Address Line 2: P.O.BOX 1022
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	05542-0613004
NAME OF SUBMITTER:	JEMMA WAMSLEY
SIGNATURE:	/Jemma Wamsley/
DATE SIGNED:	05/18/2020

Total Attachments: 5

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

Dominic J. Benvegno
25 Entrada Way
P.O. Box 382
La Honda, CA 94020

Jeffrey Drue David
2208 Marques Avenue
San Jose, CA 95125
~~Bogdan Gwedek~~ **BOGUSLAW SWEDEK**
10315 A El Prado Way
Cupertino, CA 95014

03/11/20
B.S.

(hereinafter referred to as Assignors), have invented a certain invention entitled:

SPECTRUM BASED ENDPOINTING FOR CHEMICAL MECHANICAL POLISHING
for which application for Letters Patent in the United States was filed on August 26, 2005, under
Serial No. 11/213,344, executed on even date herewith: and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as the Application), and the invention disclosed therein (hereinafter referred to as the Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as the Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

Date: 9-29-05



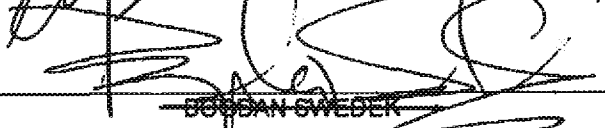
DOMINIC J. BENVEGNÙ

Date: 9/26/05



JEFFREY DRUE DAVID

Date: 09/21/05



BOGUSLAW SWEDEK
BOGUSLAW SWEDEK
03/11/20, F.S.

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 10, 2015

PTAS

DAVID J. GOREN
FISH & RICHARDSON P.C.
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

503471434

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/09/2015

REEL/FRAME: 036521/0372
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 05542-0613004

ASSIGNOR:

BENVEGNO, DOMINIC J.

DOC DATE: 09/29/2005

ASSIGNOR:

DAVID, JEFFREY DRUE

DOC DATE: 09/26/2005

ASSIGNOR:

SWEDEK, BOGUSLAW A.

DOC DATE: 09/21/2005

ASSIGNEE:

APPLIED MATERIALS, INC.
3050 BOWERS AVENUE
SANTA CLARA, CALIFORNIA 95054

APPLICATION NUMBER: 14832997

FILING DATE: 08/21/2015

PATENT NUMBER:

ISSUE DATE:

TITLE: ENDPOINTING DETECTION FOR CHEMICAL MECHANICAL POLISHING BASED ON SPECTROMETRY

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3518059

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Dominic J. Benvegna	09/29/2005
Jeffrey Drue David	09/26/2005
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Phone:	(650) 839-5070
Email:	apsi@fr.com
Correspondent Name:	DAVID J. GOREN
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	05542-0613004
NAME OF SUBMITTER:	CHRISTINE ROGERS
SIGNATURE:	/Christine Rogers/
DATE SIGNED:	09/09/2015
Total Attachments: 2	
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