504380993 05/23/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

EPAS ID: PAT4427688

CONVEYING PARTY DATA

NATURE OF CONVEYANCE:

Name	Execution Date
CHING-MING TSAI	10/22/2013
SHI-WEI CHENG	10/22/2013
KUN-SHU YANG	10/23/2013
JIA-CHENG HSU	10/23/2013
SHENG-HUAN LIU	10/22/2013
FENG-CHIH HSU	10/28/2013
CRAIG KOKJOHN	10/24/2013

ASSIGNMENT

RECEIVING PARTY DATA

Name:	CABOT MICROELECTRONICS CORPORATION		
Street Address:	870 NORTH COMMONS DRIVE		
City:	AURORA		
State/Country:	ILLINOIS		
Postal Code:	60504		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14440209

CORRESPONDENCE DATA

Fax Number: (630)499-2654

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: 630-375-2033

Email: CMC_PROSECUTION@CABOTCMP.COM

Correspondent Name: THOMAS OMHOLT

Address Line 1: CABOT MICROELECTRONICS CORPORATION

Address Line 2: 870 NORTH COMMONS DRIVE

Address Line 4: AURORA, ILLINOIS 60504

ATTORNEY DOCKET NUMBER:	100539
NAME OF SUBMITTER:	PATRICIA ROMANELLI
SIGNATURE:	/Patricia Romanelli/
DATE SIGNED:	05/23/2017

504380993 REEL: 042483 FRAME: 0041

Total Attachments: 3

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PATENT REEL: 042483 FRAME: 0042

Docket No. 100539P

ASSIGNMENT

WHEREAS, we, Ching-Ming TSAI, Shi-Wei CHENG, Kun-Shu YANG, Jia-Cheng HSU,

Sheng-Huan LIU and Feng-Chih HSU, all of Taiwan R.O.C., and Craig KOKJOHN, of Naperville,

Illinois, USA, have invented and own a certain invention entitled POLISHING PAD WITH

OFFSET CONCENTRIC GROOVING PATTERN AND METHOD FOR POLISHING A

SUBSTRATE THEREWITH for which invention we have executed an application (provisional

or non-provisional) for a United States patent, filed on 6-November-2012, under Application No.

61/723,226; and

WHEREAS, Cabot Microelectronics Corporation, of 870 North Commons Drive, Aurora,

Illinois, 60504, (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and

foreign right, title, and interest in and under the invention described in the patent application;

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of

which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal

representatives, successors and assigns the full and exclusive rights in and to the invention in the

United States and every foreign country and the entire right, title, and interest in and to the patent

application and other such applications (e.g., provisional applications, non-provisional applications,

continuations, continuations-in-part, divisionals, reissues, renewals, and extensions) that may be

filed in the United States and every foreign country on the invention, and the patents or extensions

thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request

the Commissioner of Patents and Trademarks to issue United States patents to the above-mentioned

Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing

date and serial number of the application if the date and number are unavailable at the time this

document is executed.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make

application in its own behalf for protection of the invention in countries foreign to the United States

and to claim under the International Convention and/or other international arrangement for any such

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PATENT REEL: 042483 FRAME: 0043 application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, renewal, or extended patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date

Date

Ching-Ming TSAI

20/3/10/22

Date

Shi-Wei CHENG

kun-Shu Yang- Alah Jag

Tung-Ming TSAI

Ming-Ming TSAI

Ming-Min

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20	3/1	0/	28	
	Date			
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Feng-Chih HSU

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RECORDED: 05/23/2017