504033354 10/03/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT4080016

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEXANDER KALNITSKY	09/26/2016
FELIX YING-KIT TSUI	09/22/2016

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.	
Street Address:	NO.8, LI-HSIN RD. 6, HSINCHU SCIENCE PARK	
City:	HSINCHU	
State/Country:	TAIWAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15283833

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NAME OF SUBMITTER:	ANTHONY KING	
SIGNATURE:	/Anthony King/	
DATE SIGNED:	10/03/2016	

Total Attachments: 2

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PATENT 504033354 REEL: 039923 FRAME: 0184

Your Ref.: P20160521US00

US ONLY

ASSIGNMENT

WHEREAS, I(we), <u>KALNITSKY</u>, <u>ALEXANDER</u> and <u>TSUI</u>, <u>FELIX</u> <u>YING-KIT</u> whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented certain new and useful invention

CAPACITOR STRUCTURE AND METH	OD FOR MANUFACTU	RING THE SAME
(hereinafter referred to as the INVENTION) for which an a is executed on even date herewith unless at least one of the United States Design Patent was	pplication for United States Let he following is checked:	ters Patent /Utility Patent
☐ executed on: ☐ filed on: ☐ established by PCT International Patent Applicat United States of America ☐ issued on as U.S. Patent No.		designating the
WHEREAS, TAIWAN SEMICONDUCTOR MAN address is NO.8, LI-HSIN RD. 6, HSINCHU Shereinafter referred to as ASSIGNEE, is desirous of acquire the United States and its territorial possessions;	SCIENCE PARK, HSINCI	IU. TAIWAN. R.O.C
NOW, THEREFORE, for good and valuable consider ASSIGNOR, by these presents do sell, assign and transfer and to said INVENTION and application throughout the Patent granted on any division, continuation, continuation terms for which the same may be granted, including all processing the same and the same may be granted, including all processing the same may be granted.	unto said ASSIGNEE, the entire United States of America, incl n-in-part and reissue of said app	right, title, and interest in luding any and all Letter lication for the full term of
ASSIGNOR further covenants that no assignments, s or entered into which would conflict with this Assignment	sale, agreement or encumbrance	has been or will be made
ALSO, ASSIGNOR hereby agrees to execute any docu filing, prosecution and maintenance of said application of said INVENTION, including additional documents that massaid INVENTION, all without further consideration. AS ASSIGNEE'S expense, to identify and communicate to ASSIGNEE'S expense, to identify and communicate to ASSIGNEE that Invention that are within ASSIGNOR'S potestimony on behalf of ASSIGNEE that lawfully may be maintenance, litigation and defense of any patent applies instrument. ASSIGNOR'S obligations under this instruments and other legal representatives.	or any other patent application(ay be required to affirm the rig SIGNOR also agrees, without fu SIGNEE at ASSIGNEE'S request d assession or control, and to provide required of ASSIGNOR in re lication or patent encompassed	s) in the United States for hts of ASSIGNEE in and to rther consideration and a ocuments and information ride further assurances and espect of the prosecution within the terms of thi
ALSO, ASSIGNOR hereby authorizes and requests the and all Letters Patent referred to above to ASSIGNEE, as the same, for ASSIGNEE'S sole use and behoof; and for the successors, to the full end of the term for which such L same would have been held by ASSIGNOR had this assignment.	he ASSIGNEE of the entire right, no use and behoof of ASSIGNEE's etters Patent may be granted, a	title and interest in and to S legal representatives and
Assignor Name KALNITSKY, ALEXANDER	Address 737 LA PLAYA #B, SA 94121, U.S.A.	N FRANCISCO, CA
Signature of segggor (X)	Date of Signature (X) 2016/9/26	
Name of Witness (optional)	Name of Witness (optional)	
Signature of Witness (ontional)	Signature of Witness (Optional)	

PATENT REEL: 039923 FRAME: 0185

Assignor Name TSUI, FELIX YING-KIT	Address 7546 NORMANDY WAY, CUPERTINO, CA95014, U.S.A.
Signature of Assignor (X)	Date of Signature 9/22/2016
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Witness (Optional)

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