505445102 04/25/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIAN LIU	10/02/2018
CHI-KUNG KUAN	10/02/2018

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16394106

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	JUSTIN KING
SIGNATURE:	/Justin King/
DATE SIGNED:	04/25/2019

Total Attachments: 2 source=a#page1.tif source=a#page2.tif

PATENT 505445102 REEL: 048991 FRAME: 0595

ASSIGNMENT

WHEREAS, I(we), JIAN LIU and CHI-KUNG KUAN whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented certain new and useful invention entitled.

	Clock data recovery device		
			ters Patent /Utility Patent
united States of America	nternational Patent Application No.:	filed:	designating the
	as U.S. Patent No.:	***************************************	
Innovation Road II, Hsinch	MICONDUCTOR CORPORATION what Science Park, Hsinchu 300, Taiwan (Futire right, title and interest in and to the same	R.O.C.) hereinafte	er referred to as ASSIGNEE,
ASSIGNOR, by these presents and to said INVENTION and Patent granted on any division	good and valuable consideration, receipt do sell, assign and transfer unto said Ass application throughout the United States n, continuation, continuation-in-part and re the granted, including all priority rights u	SIGNEE, the entire of America, inc eissue of said app	e right, title, and interest in luding any and all Letters dication for the full term or
ASSIGNOR further cover or entered into which would o	nants that no assignments, sale, agreemen onflict with this Assignment;	t or encumbrance	e has been or will be made
filing, prosecution and maint said INVENTION, including ac said INVENTION, all without ASSIGNEE'S expense, to ident concerning the INVENTION th testimony on behalf of ASS maintenance, litigation and of	agrees to execute any documents that legenance of said application or any other plutitional documents that may be required further consideration. ASSIGNOR also a sify and communicate to ASSIGNEE at ASSIGNEE at ASSIGNEE that lawfully may be required of lefense of any patent application or pathlegations under this instrument shall	atent applications to affirm the rig agrees, without for the second of t	(s) in the United States for this of ASSIGNEE in and to urther consideration and at documents and information vide further assurances and espect of the prosecution, if within the terms of this

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof, and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

administrators and other legal representatives.

ASSIGNOR NAME JIAN LIU	Address Room 401, building 45, Hua-Jing Garden, Industrial Park, Suzhou City, Jiangsu Province, China (P.R.C.)
Signature of Assignor JIAN LIU	Date of Signature October 2, 2018
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Witness (Optional)

PATENT REEL: 048991 FRAME: 0596

106A-095US(EN17RT035US)

ASSIGNOR NAME CHI-KUNG KUAN	Address 2841 Junction Ave, Suite 202, San Jose, CA 95134
Signature of Assignor	Date of Signature October 2, 2018
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Witness (Optional)

PATENT REEL: 048991 FRAME: 0597

RECORDED: 04/25/2019