11/16/2018 505195076

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIN SHIH LIU	06/27/2017
TIANHONG YAN	06/28/2017
SUNG HYUN JO	06/27/2017
SANG NGUYEN	07/07/2017
HAGOP NAZARIAN	07/10/2017

RECEIVING PARTY DATA

Name:	CROSSBAR, INC.
Street Address:	3200 PATRICK HENRY DRIVE
Internal Address:	SUITE 110
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16193592

CORRESPONDENCE DATA

Fax Number: (216)696-8731

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AMIN, TUROCY & WATSON, LLP/CROSSBAR **Correspondent Name:**

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Address Line 4: BEACHWOOD, OHIO 44122

ATTORNEY DOCKET NUMBER:	A936SP-015610US/CROSP262B
NAME OF SUBMITTER:	MATTHEW F. CLAPPER
SIGNATURE:	/Matthew F. Clapper/
DATE SIGNED:	11/16/2018

Total Attachments: 5 source=A936SP-015610US_Assignment#page1.tif source=A936SP-015610US_Assignment#page2.tif

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PATENT ASSIGNMENT

DATE	Sung Hyun Jo
DATE	Tianhong Yan
DATE	LIN SAIN LIU
June 27, 2017	Lin Shih Liu
	11/1/1
and perfecting title to the APPLICATION	
-	d therefrom, and for the purpose of protecting
_	te all instruments and documents required for ICATION (and APPLICATION DERIVATIVES), for
the APPLICATION (and APPLICATION DER	
,	ights, title and interest in the INVENTION and
acknowledged by the ASSIGNORS, the AS	SSIGNORS hereby sell, assign and transfer to
	sideration, the receipt of which is hereby
("APPLICATION DERIVATIVES");	,, 100 00111001, 001, 001, 001, 001, 00
• •	s, its territories, and all foreign countries
successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing	
igotimes is filed concurrently herewith	
was filed on and w	as given U.S. Serial No;
date, when known;	
•	PLICATION'S U.S. Serial Number and filing
	(U.S. Serial No,
•	are associated with customer number 23623,
•	t, ASSIGNEE'S legal representatives, of 127 Public Square, 57th Floor, Key Tower,
	tuted PATENT ASSIGNMENT. ASSIGNORS
AND SIGNAL TERMINATION FOR 1TNR M	
	ntitled " <u>READ OPERATION WITH DATA LATCH</u>
Hagop Nazarian ("ASSIGNORS"), have in	vented subject matter ("INVENTION") disclosed
WE, LIH SIIII LIU, Haimoi	ng Yan, Sung Hyun Jo, Sang Nguyen and

PATENT ASSIGNMENT

WE, Lin Shih Liu, Tia	nhong Yan, Sung Hyun Jo, Sang Nguyen and	
Hagop Nazarian ("ASSIGNORS"), har	ve invented subject matter ("INVENTION") disclosed	
and/or claimed in a patent application	on entitled "READ OPERATION WITH DATA LATCH	
AND SIGNAL TERMINATION FOR 1TA	IR MEMORY ARRAY" ("APPLICATION"), which:	
will be filed without this	executed PATENT ASSIGNMENT. ASSIGNORS	
hereby authorize, and rec	quest, ASSIGNEE'S legal representatives, of	
Amin, Turocy & Watson, I	LP, 127 Public Square, 57th Floor, Key Tower,	
Cleveland, Ohio 44114. v	who are associated with customer number 23623,	
to insert here in parenthe	sis (U.S. Serial No	
filed) thi	s APPLICATION'S U.S. Serial Number and filing	
date, when known;	The control of the co	
	d was given U.S. Serial No;	
is filed concurrently herev	with	
	nia Corporation, on behalf of itself and its	
successors and assigns ("ASSIGNEE").	is entitled to, and is desirous of acquiring, the	
entire and exclusive rights, title and i	interest in the INVENTION and all applications	
(and all other applications and natent	entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived the applications)	
(and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES");		
acknowledged by the ASSICNORS the	ASSIGNORS hereby sell, assign and transfer to	
the ASSIGNEE, the entire and exclusive	a rights side and income assign and transfer to	
the APPLICATION (and APPLICATION D	e rights, title and interest in the INVENTION and	
ASSIGNORS agree to avo	perivalives);	
the making and procedution of the Ap	cute all instruments and documents required for	
litigation regarding latters passed deal	PLICATION (and APPLICATION DERIVATIVES), for	
and perfecting title to the approximation	ved therefrom, and for the purpose of protecting	
and perfecting title to the APPLICATIO	in (and APPLICATION DERIVATIVES),	
DATE	Lin Shih Liu	
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	- I would be a second of the s	
DATE	Tianhong Yan	
DATE	Sung Hyun Jo	
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PATENT ASSIGNMENT

WE, Lin Shih Liu, Tianhong Yan, Sung Hyun Jo, Sang Nguyen and		
Hagop Nazarian ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed		
and/or claimed in a patent application entitled "READ OPERATION WITH DATA LATCH		
AND SIGNAL TERMINATION FOR 1TNR MEMORY ARRAY" ("APPLICATION"), which:		
will be filed without this executed PATENT ASSIGNMENT. ASSIGNORS		
hereby authorize, and request, ASSIGNEE'S legal representatives, of		
Amin, Turocy & Watson, LLP, 127 Public Square, 57th Floor, Key Tower,		
Cleveland, Ohio 44114, who are associated with customer number 23623,		
to insert here in parenthesis (U.S. Serial No,		
filed) this APPLICATION'S U.S. Serial Number and filing		
date, when known;		
was filed on and was given U.S. Serial No;		
is filed concurrently herewith;		
Crossbar, Inc., a California Corporation, on behalf of itself and its		
successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the		
entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries		
		("APPLICATION DERIVATIVES");
		For good and valuable consideration, the receipt of which is hereby
acknowledged by the ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to		
the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and		
the APPLICATION (and APPLICATION DERIVATIVES);		
ASSIGNORS agree to execute all instruments and documents required for		
the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for		
litigation regarding letters patent derived therefrom, and for the purpose of protecting		
and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).		
DATE Lin Shih Liu		
DATE Tianhong Yan		
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06/27/2017 Sunhando		
DATE Sung Hyun Jo		

7/7/2017	_ { [lgk man]
DATE	Sang Nguyen
DATE	Hagop Nazarian

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A936SP-015600US/CROSP262USA

DATE	Sang Nguyen
7/10/2017	H. Nazaria
DATE	Hagop Nazarian

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RECORDED: 11/16/2018