505156877 10/24/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHAOLI LIU	06/20/2018
XIAO ZHANG	06/22/2018
YUNJI CHEN	06/22/2018
TIANSHI CHEN	06/25/2018

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16167425

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NAME OF SUBMITTER:	MICHAEL J. FRODSHAM	
SIGNATURE:	/Michael J. Frodsham/	
DATE SIGNED:	10/24/2018	

Total Attachments: 1

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PATENT REEL: 047295 FRAME: 0522

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ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the undersigned by Shaoli Liu, Xiao Zhang, Yunji Chen, and Tianshi Chen. A corporation organized under the laws of China and located at 11th Floor, Block D, Zhizhen Building, No. 7 Zhichun Road, Haidian District, Beijing, China, 100191, receipt of which is hereby acknowledged, I or we do hereby sell and assign to said Cambricon Technologies Corporation Limited, its successors and assigns, all of my right, title and interest, in and for the United States of America in and to the invention entitled

Apparatus and methods for submatrix operations

Apparatus and methods for submatrix operations		
invented by me or us and described in the application for \cup .	S. Letters Patent therefor identified as:	
() Serial No, filed; o	or	
(X) executed on even date herewith; or		
() executed on (date)		
and all United States Letters Patent which may be granted t	herefor, and all Divisions, continuations and extensions thereof, the	
said interest being the entire ownership of the said Lett	ers Patent when granted, to be held and enjoyed by <u>Cambricon</u>	
<u>Technologies Corporation Limited</u> its successors, assigns o	r other legal representatives, to the full end of term for which said	
Letters Patent may be granted, as fully and entirely as the	e same would have been held and enjoyed by the me or us if this	
assignment and sale had not been made;		
And I or we hereby agree to sign and execute any	further documents or instruments which may be necessary, lawful,	
and proper in the prosecution of said above-named app	lication or in the preparation and prosecution of any continuing,	
continuation-in-part, substitute, divisional, renewal, reexan	nination or reissue applications or in any amendment, extension, or	
interference proceedings, or otherwise to secure the joint ti	tle thereto in said assignee;	
And I or we do hereby authorize and request the C	ommissioner of Patents and Trademarks, or equivalent, to issue said	
Letters Patent to said <u>Cambricon Technologies Corporation</u>	<u>Limited</u> and do hereby authorize the Law Firm of <u>Getech Law LLC</u>	
to insert on this assignment any further identification which	may be necessary or desirable in order to comply with the rules of	
the United States Patent and Trademark Office for recordation	on of this document.	
Changed any also place (a) to discuss discission of		
Signed on the date(s) indicated aside signatures:		
INVENTOR(S)	Date Signed	
Charle	1 74 /2	
1) > /(as/1 // //	June 0 / WIZ	
Name: Shaoli Liu	,	
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1 / icmelin Cler	June . 75/2018	
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RECORDED: 10/24/2018

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