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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WENDONG ZHANG	08/11/2016
CHENYANG XUE	08/11/2016
GUOJUN ZHANG	08/11/2016
LINGGANG GUAN	08/11/2016
JIJUN XIONG	08/11/2016
XIBAO LIU	08/11/2016
XIAOYAO WANG	08/11/2016
JIAO XU	08/11/2016

RECEIVING PARTY DATA

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City:	TAIYUAN
State/Country:	CHINA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13980898

CORRESPONDENCE DATA

Fax Number:

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.

Email: in@bayramoglu-legal.com
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NAME OF SUBMITTER: GOKALP BAYRAMOGLU /Gokalp Bayramoglu/ DATE SIGNED: 08/12/2016	ATTORNEY DOCKET NUMBER:	GBTJJ001
	NAME OF SUBMITTER:	GOKALP BAYRAMOGLU
DATE SIGNED: 08/12/2016	SIGNATURE:	/Gokalp Bayramoglu/
	DATE SIGNED:	08/12/2016

Total Attachments: 2

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PATENT REEL: 039412 FRAME: 0809

ASSIGNMENT

	ASSIGNMEN		
	(1) Wendong Zhang	(2) Chenyang Xue	
(1-8) Insert Name(s) of Inventor(s)	(3) Guojun Zhang	(4) Linggang Guan	
(1 o) 2noc: 1 amo(s) (j 2nomo(s)	(5) Jijun Xiong	(6) Xibao Liu	
	(7) Xiaoyao Wang	(8) Jiao Xu	

For good and valuable consideration receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to:

(9)	Insert name of Assignee	(9) North University of China
(10)	Insert state of incorporation of Assignee	(10) China
(11)	Insert address of Assignee	(11) of NO. 3 Xueyuan Road, Taiyuan, Shanxi,China 030051
		(hereinafter designated as the Assignee) the entire worldwide right, title, interest, and patent applications and patents for every country, including divisions, reissues, continuations and all other extensions, rights and priorities in the invention known as and subject matter contained in
(12)	Insert Identification of Invention, such as Title, Case Number or Foreign Application Number	(12) Silicon-Based Monolithic Integrated Sonar Array
(13)	Insert Date of Filing of Application	(13) <u>07-22-2013</u>

- The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or division applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner for Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.
 - 6) The undersigned hereby grant(s)

Gokalp Bayramoglu, Reg.No. 66305

the power 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 of this document.

> PATENT REEL: 039412 FRAME: 0810

Date Aug, 11th, voib	Wendong Zhang
Date Aug, 1/ch. 2016	Cherlang Lue Chenyang Xue
Date Ang. 11-64. 2076	Guojun Zhang Guojun Zhang
Date ANG 17th 2016	Linggang Guan
Date Aug. 1/th, 2016	ji jun kiong
Date Aug, 11th 2016	XI bao Liu Xibao Liu
Date Ang 11th, 2016	Xino fao Wang Xiaoyao Wang
Date Ang, 11th, 2016	Jiao Xu Jiao Xu

PATENT REEL: 039412 FRAME: 0811

RECORDED: 08/12/2016