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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14118452	

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PATENT

REEL: 031623 FRAME: 0761

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NAME OF SUBMITTER:	T. CHYAU LIANG, PH.D.
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Date:	11/18/2013
Total Attachments: 2 source=17266_072001_Assn#page1.tif source=17266_072001_Assn#page2.tif	

PATENT REEL: 031623 FRAME: 0762

Attorney Docket No.: 17266/072001; FP130128US/A

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

Institute of Automation, Chinese Academy of Sciences

having the following address:

No. 95 Zhongguancun East Road, Haidian District Beijing 100190 PEOPLE'S REPUBLIC OF CHINA

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

PARALLEL BIT REVERSAL DEVICES AND METHODS

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

- To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY:
- To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
- 3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP 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 the recordation of this document.



PATENT REEL: 031623 FRAME: 0763

11/06 [201] Date	1st Inventor Signature: Print or Type Name:	Shaolin Xie Shaolin Xie
01/06/2013 Date	2 nd Inventor Signature: Print or Type Name:	Donglin Wang Donglin Wang
1106 (2015)	3 rd Inventor Signature; Print or Type Name:	Jierlur Jie Hao
11/a6/2013 Date	4 th Inventor Signature: Print or Type Name;	Tao Wang Tao Wang
11 /06 / 2013 Date	5 th Inventor Signature: Print or Type Name:	Leizu Yin Leizu Yin

When this Assignment is <u>not</u> filed concurrently with the patent application, the following identifying information may be added <u>after</u> execution:

U.S. Application Serial No.: 14/118, 452

Filing Date:

November 18, 2013

Intellectual Property Law

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FAX NO.: 62647065

FROM:

PATENT REEL: 031623 FRAME: 0764