

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
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Name	Execution Date						
Keshab K. Parhi	08/07/2008						
Yongru Gu	08/01/2008						
RECEIVING PARTY DATA							
Name:	Leanic Corporation						
Street Address:	6600 Fountain Lane N						
City:	Maple Grove						
State/Country:	MINNESOTA						
Postal Code:	55311						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11225383</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11225383		
Property Type	Number						
Application Number:	11225383						
CORRESPONDENCE DATA							
Fax Number:	(612)677-3572						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	410-489-7685						
Email:	rbailey@intellevate.com						
Correspondent Name:	Garrett IP LLC						
Address Line 1:	c/o Intellevate						
Address Line 2:	P.O. Box 52050						
Address Line 4:	Minneapolis, MINNESOTA 55402						
ATTORNEY DOCKET NUMBER:	0004.0050000						
NAME OF SUBMITTER:	Rachelle Bailey						

Total Attachments: 8
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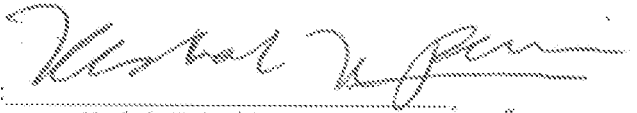
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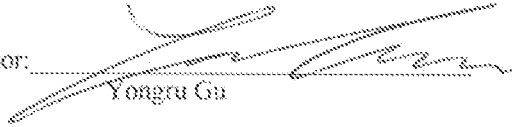
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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the opposite his/her name.

Date: 8/7/08 Signature of Inventor: 
Keshab K. Parhi

Date: 8/1/2008 Signature of Inventor: 
Yongru Gu

UNIVERSITY OF MINNESOTA

Twin Cities Campus

Office for Technology Commercialization

*1000 Westgate Drive, Suite 160
Saint Paul, MN 55114-8658*

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October 31, 2007

Keshab K. Parhi

Electrical & Computer Engineering

4-174 Ee/CSci

Del Code: 0572

Minneapolis Campus

Yongru Gu

9750 Old Placerville Rd. #146

Sacramento, CA 95827

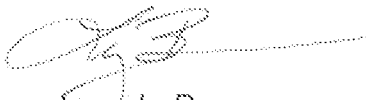
Re: U/M Docket Z05033
Pipelined and Parallel Tomlinson-Harashima Precoders

Dear Creators

Enclosed please find an original, or copy if you are not the first named creator, of the completely executed Waiver and Assignment Agreement for the docket referenced above. You are now free to pursue patent or other protection of this specific invention.

I have retained an original of this Agreement for the university's files. Thank you very much for your cooperation with the invention disclosure and evaluation process.

Sincerely,



Leza L. Besemann

Technology Strategy Manager

LLB/rm

Encl.

Cc: Kent J. Sieffert

PATENT
REEL: 021743 FRAME: 0614



Shaded Area - Internal University Use Only

OTC Agreement No.:

OTC Docket No.(s): Z05033

UNIVERSITY OF MINNESOTA WAIVER AND ASSIGNMENT AGREEMENT

The Regents of the University of Minnesota, a constitutional corporation under the laws of the state of Minnesota ("University"), and the intellectual property creator(s) listed on the signature page to this Agreement ("Creator(s)") agree as follows:

1. The Creator(s) are the identified creator(s) of the intellectual property filed in the Office of Technology Commercialization ("OTC") docket specified in the header to this Agreement and including the patent applications, patents, and copyrights listed in the attachment to this Agreement ("Intellectual Property"). Based upon the information Creator(s) provided to OTC and OTC's review of the patentability or copyrightability of the Intellectual Property and its commercial viability, University initially decided to pursue its protection and commercialization. University has now determined to cease those efforts and gave Creator(s) notice of this determination with an offer to waive the Intellectual Property to Creator(s) in accordance with University Intellectual Property Policy and University Procedures for the Intellectual Property Policy. Creator(s) requested University waive its rights and assign the Intellectual Property to the Creator(s). Subject to the terms described here, this Agreement constitutes a waiver of all the University's rights in the Intellectual Property to Creator(s) and assignment to Creator(s) of University's rights in the patent applications, patents, or copyrights listed in the attachment to this Agreement (in the case of more than one Creator, this waiver and assignment is to the Creators jointly), provided that University retains an irrevocable, nonexclusive right to use the Intellectual Property solely for non-commercial educational, research, and medical purposes and University shall have the right to sublicense its retained rights to one or more non-profit academic or other research institutions.

2. University's waiver and assignment is contingent upon the accuracy and completeness of the Intellectual Property disclosure that Creator(s) submitted to OTC ("Intellectual Property Disclosure") and the statements the Creator(s) made to OTC regarding the Intellectual Property, the identity of the creators of the Intellectual Property, the related funding sources, and any potential conflicts of interest reportable under University's Board of Regents' Institutional Conflict of Interest Policy. If the statements made in the Intellectual Property Disclosure or Creator(s)' statements regarding the Intellectual Property, the identity of the creators of the Intellectual Property, the related funding sources, or potential conflicts of interest are false, incomplete, or materially misleading, University shall have the right (exercisable by delivering a written notice of rescission to the Creator(s)) to rescind this Waiver and Assignment Agreement. In that event, University shall recover all rights it would otherwise have in the Intellectual Property but for the effect of this Waiver and Assignment Agreement and Creator(s) shall grant University an option (exercisable without payment of any additional consideration to Creator(s)) to assume all Creator(s) rights and liabilities under any agreement Creator(s) entered into granting a third party any rights or licenses in or to the Intellectual Property.

3. This Waiver and Assignment Agreement is limited to the Intellectual Property, as described in the Intellectual Property Disclosure and the related patent applications, patents, and copyrights listed in the attachment. It does not cover future improvements of the Intellectual Property. If such future improvements are made at University, they will be subject to University Intellectual Property Policy.

4. This Waiver and Assignment Agreement is further limited. It does not affect the rights a third party, including the federal government of the United States of America or any other sponsor of the research leading to or resulting in the Intellectual Property, may have in the Intellectual Property. By signing this Agreement, Creator(s) acknowledge that they have informed OTC of all the sponsors of such research of which they are aware and which are listed in the attachment. Creator(s) also acknowledge that they are aware of no other potential third party rights (e.g., rights created by technical contributions from third parties or under material transfer agreements or other agreements with third parties) than those listed in the attachment. If Creator(s) wish to pursue commercialization of the Intellectual Property, Creator(s) are responsible for satisfying such third party rights (if the Intellectual Property was federally funded, the attachment to this Agreement provides information on satisfying federal requirements). This Waiver and Assignment Agreement also does not affect the rights of any other creator of the Intellectual Property who has not been identified.

5. Creator(s) have all responsibility, at Creator(s)' own discretion and expense, for the prosecution and maintenance of the patent applications, patents, or copyrights listed in the attachment. University has no responsibility to prosecute, maintain or take any action concerning any of those patent applications, patents, or copyrights. An explanation for paying any annuities coming due is provided in the attachment.

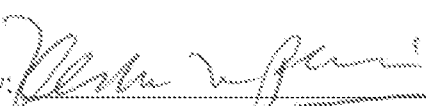
6. This Waiver and Assignment Agreement does not release Creator(s) from Creator(s)' obligations under University's policies, including University's Board of Regents' Conflict of Interest Policy and Intellectual Property Policy. Creator(s) who are currently an employee of University attest by this Agreement that their current Report on External Professional Activities at the University is complete and up to date. Notwithstanding this Waiver and Assignment, Creator(s) may be required to disclose Creator(s)' ownership interest in the Intellectual Property and in any license of the Intellectual Property if Creator(s) engage in research at University concerning the Intellectual Property.

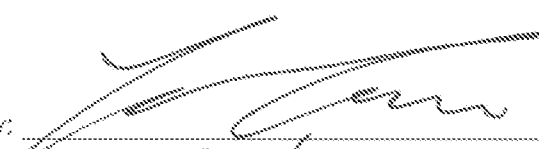
7. By their signatures, University and Creator(s) agree to the above terms and conditions.

Regents of the University of Minnesota

Creator(s)

By: 
Name: Jay Schrankler
Title: Executive Director
Office of Technology Commercialization
Date: 

By: 
Name: Keshab K. Parhi
Date: _____

By: 
Name: Yongru Gu
Date: 10/6/2007

ATTACHMENT A

1. **Patent Applications, Patents, and Copyrights.** The following is a complete listing of active patent applications, patents, and copyrights held by University on the above Intellectual Property that is being assigned under this Agreement.

Type	Country	Serial/ Registration No.	Filing/Issue Date	Deadlines	Provisional Applications
Regular (convert from provis.) Attorney: Shumaker & Sieffert, P.A. Contact: Kent J. Sieffert Imminent Actions: Contact attorney to check on status of patent application and next actions.	US	11/225,383	09/13/2005		

2. **U.S. Patent Annuities.** To maintain the U. S. patent(s) indicated above, annuity fees must be paid at 3 ½, 7 ½, and 11 ½, years from the issue date. There is a six-month grace period following the due date; however, there will be a surcharge in addition to the annuity payment to keep it in force. Creator(s) will be responsible for this payment if they wish to maintain the patent(s). Since fees are subject to change, Creator(s) may wish to confirm the amount by calling 1-800-PTO-9199. The most up-to-date amounts and payment methods are maintained on the Patent and Trademark Office Website at <https://ramps.uspto.gov/eram/>. The U.S. Patent and Trademark Office needs the following information along with the payment payable to the Commissioner of Patents & Trademarks: the current address of the payee, patent number and serial number. The mailing address is: U.S. Patent and Trademark Office, Box M-Fee, Washington, D.C. 20231.

3. **Foreign Annuities.**

Not applicable.

4. **Third Party Rights.** The following is a complete listing of all third party funding for development of the above Intellectual Property based on the representations of the Creator(s) and any other potential third party rights of which University is aware such as may result from material transfer or other agreements, or technical contributions from third parties. This list

specifies whether or not that third party has any continuing rights to the Intellectual Property and what those rights are. The Creator(s) are responsible for satisfying such requirements.

4.1 National Science Foundation

4.2 Federal Funding. The federal government funded the Intellectual Property through grant number CCF-0429979 from National Science Foundation. We have disclosed the Intellectual Property to National Science Foundation and informed the agency that University is not continuing to pursue, protect, or commercialize this Intellectual Property. The Creator(s) will need to obtain a government waiver from National Science Foundation before proceeding to protect or commercialize the Intellectual Property.