

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Albert M. Chan</td> <td>11/21/2006</td> </tr> <tr> <td>Jon Feldman</td> <td>11/20/2006</td> </tr> <tr> <td>Raghavendra Madyastha</td> <td>12/13/2006</td> </tr> <tr> <td>Piotr Indyk</td> <td>11/21/2006</td> </tr> <tr> <td>David Karger</td> <td>12/20/2007</td> </tr> </tbody> </table>		Name	Execution Date	Albert M. Chan	11/21/2006	Jon Feldman	11/20/2006	Raghavendra Madyastha	12/13/2006	Piotr Indyk	11/21/2006	David Karger	12/20/2007
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<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	Vanu, Inc.												
<b>Street Address:</b>	One Cambridge Center												
<b>Internal Address:</b>	2nd FL												
<b>City:</b>	Cambridge												
<b>State/Country:</b>	MASSACHUSETTS												
<b>Postal Code:</b>	02142												
<b>PROPERTY NUMBERS Total: 1</b>													
<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>11543459</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11543459								
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Application Number:	11543459												
<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(617)542-8906												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	617-542-5070												
<b>Email:</b>	fernald@fr.com												
<b>Correspondent Name:</b>	Rex I. Huang												
<b>Address Line 1:</b>	FISH & RICHARDSON, P.C.												
<b>Address Line 2:</b>	PO BOX 1022												
<b>Address Line 4:</b>	Minneapolis, MINNESOTA 55440-1022												
<b>ATTORNEY DOCKET NUMBER:</b>	12869-015001												

CH \$40.00 11543459

NAME OF SUBMITTER:

Rex I. Huang

Total Attachments: 6

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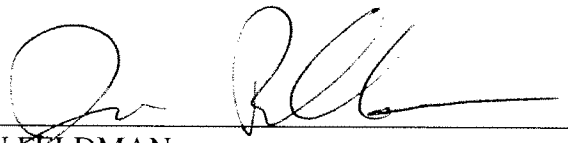
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ASSIGNMENT

For valuable consideration, we, ALBERT M. CHAN, of 141 Nottinghill Road, #1, Brighton, MA 02135; JON FELDMAN, of 235 W 102nd St, Apt 2G, New York, NY, 10025; RAGHAVENDRA MADYASTHA, of 74 Highland Ave, Arlington MA, 02476; PIOTR INDYK, of 100 Memorial Drive Apt. 2-21C, Cambridge, MA 02142; DAVID KARGER, of 71 Antrim Street, Cambridge, MA 02139; hereby assign to VANU, INC., a corporation of Delaware, having a place of business at One Cambridge Center, 2nd Floor, Cambridge, MA 02142, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled LOCAL DECODING OF WALSH CODES, filed October 5, 2006, and assigned U.S. Serial Number 11/543,459, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.



DATE: 11/20/06

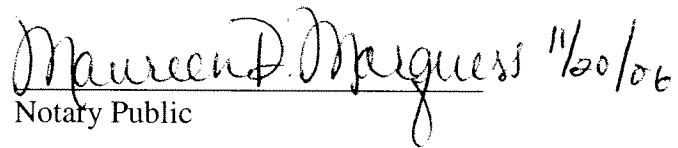
  
\_\_\_\_\_  
JON FELDMAN

STATE OF NEW YORK )  
COUNTY OF NEW YORK ) SS.

**MAUREEN D. MARQUESS**  
Notary Public, State of New York  
No. 01MA8115482  
Qualified in New York County  
Commission Expires November 8, 2008

On November 20, 2006, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared JON FELDMAN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

  
\_\_\_\_\_  
Notary Public

jonfeld

DATE: 12/13/06

K. Raghavendra Madyastha  
~~RAGHU MADYASTHA~~  
RAGHAVENDRA (12/13/06 RKM)

STATE OF MASSACHUSETTS )  
 ) SS.  
COUNTY OF MIDDLESEX )

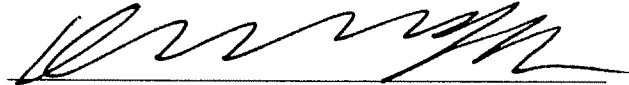
On December 13, 2006, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared <sup>→ RAGHAVENDRA (12/13/06 R.K.M)</sup>~~RAGHU MADYASTHA~~ personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

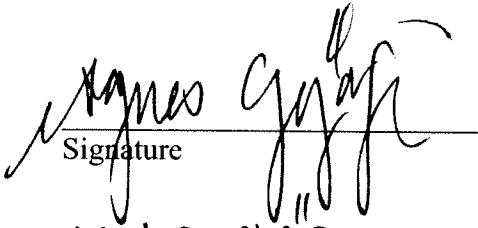
[Signature]  
Notary Public



DATE: 12/20/07

  
\_\_\_\_\_  
DAVID KARGER

Witnessed by:

  
\_\_\_\_\_  
Signature  
AGNES GYORFI  
\_\_\_\_\_  
Typed or Printed name

Date: 20 December 2007

8 LILAC COURT  
\_\_\_\_\_  
CAMBRIDGE, MA 02141  
\_\_\_\_\_  
Witness Address

21470666.doc