

PATENT ASSIGNMENT

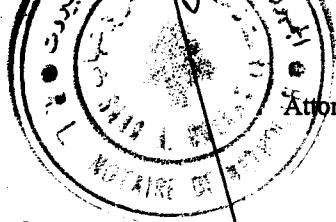
Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jon Feldman</td> <td>02/26/2004</td> </tr> <tr> <td>Matteo Frigo</td> <td>03/11/2004</td> </tr> <tr> <td>Ibrahim Abou-Faycal</td> <td>03/12/2004</td> </tr> </tbody> </table>		Name	Execution Date	Jon Feldman	02/26/2004	Matteo Frigo	03/11/2004	Ibrahim Abou-Faycal	03/12/2004
Name	Execution Date								
Jon Feldman	02/26/2004								
Matteo Frigo	03/11/2004								
Ibrahim Abou-Faycal	03/12/2004								
RECEIVING PARTY DATA									
Name:	Vanu, Inc.								
Street Address:	One Cambridge Center								
Internal Address:	2nd Floor								
City:	Cambridge								
State/Country:	MASSACHUSETTS								
Postal Code:	02142								
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>10639881</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10639881				
Property Type	Number								
Application Number:	10639881								
CORRESPONDENCE DATA									
Fax Number:	(877)769-7945								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	(617) 368-2141								
Email:	izz@fr.com								
Correspondent Name:	Tonya S. Drake								
Address Line 1:	FISH & RICHARDSON P.C.								
Address Line 2:	P.O.BOX 1022								
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022								
ATTORNEY DOCKET NUMBER:	12869-006001								
NAME OF SUBMITTER:	Irja Zarembok								

CH \$40.00 10639881

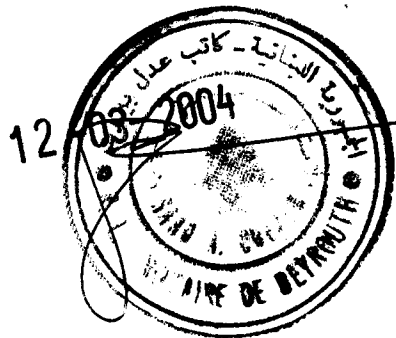
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N^o 1162/2004



ASSIGNMENT

For valuable consideration, we, JON FELDMAN of 1355 Cambridge Street, #2, Cambridge, Massachusetts 02139, United States of America, MATTEO FRIGO of 137 Dudley Street, Apt 3, Cambridge, Massachusetts 02140, United States of America and IBRAHIM ABOU-FAYCAL of 54 Webster Avenue #2L, Cambridge, Massachusetts 02141, United States of America, hereby assign to VANU, INC., a corporation of Massachusetts having a place of business at Porter Square Galleria, 1 Porter Square, Suite 18, Cambridge, Massachusetts 02140, United States of America; 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 CONVOLUTIONAL DECODING, filed August 13, 2003, and assigned U.S. Serial Number 10/639,881, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; 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.



Ibrahim Abu-Faycal → *Matteo Frigo*

IN WITNESS WHEREOF, I hereto set my hand and seal at 332 Bleecker St.
this 26 day of February, 2004



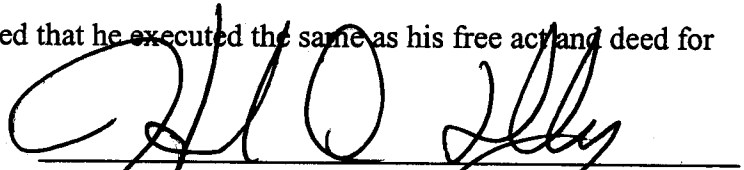
JON FELDMAN

State of New York :

: ss.

County of New York :

Before me this 26 day of Feb, 2004, personally
appeared JON FELDMAN known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.



Notary Public

My Commission Expires:

[Notary's Seal Here]

HELEN ANN LALLY
Notary Public, State of New York
No. 01LA5017192
Qualified in New York County
Commission Expires Aug. 30, 2005

IN WITNESS WHEREOF, I hereto set my hand and seal at One Porter Square, Cambridge MA
this 11th day of March, 2004

Matteo Frigo
MATTEO FRIGO

State of Massachusetts :
: ss.
County of Middlesex :

Before me this 11th day of March, 2004, personally
appeared MATTEO FRIGO known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

[Signature]
Notary Public

My Commission Expires: March 13, 2007

[Notary's Seal Here]

Handwritten signature in Arabic script

IN WITNESS WHEREOF, I hereto set my hand and seal at Beirut, LEBANON
this 12 day of March, 2004

Handwritten signature
IBRAHIM ABOU-FAYCAL

State of BEIRUT :

: ss.

County of LEBANON :

N^o 1162/2004

Before me this 12 day of MARCH, 2004, personally appeared IBRAHIM ABOU-FAYCAL known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Mo. SAAD A.A. CHEHAB

Notaire à Beyrouth

Notary Public

My Commission Expires:

Mo. SAAD A.A. CHEHAB

Notaire à Beyrouth

[Notary's Seal Here]

