

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Emanuel Edwin Farber</td><td>07/07/2006</td></tr><tr><td>Paul Crispin Williams</td><td>07/11/2006</td></tr><tr><td>Michael J. Hardin</td><td>07/10/2006</td></tr><tr><td>Scott Halstead</td><td>06/30/2006</td></tr></tbody></table>	Name	Execution Date	Emanuel Edwin Farber	07/07/2006	Paul Crispin Williams	07/11/2006	Michael J. Hardin	07/10/2006	Scott Halstead	06/30/2006	
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RECEIVING PARTY DATA											
Name:	Bloomberg LP										
Street Address:	731 Lexington Avenue										
City:	New York										
State/Country:	NEW YORK										
Postal Code:	10022										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11274821</td></tr></tbody></table>	Property Type	Number	Application Number:	11274821							
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Application Number:	11274821										
CORRESPONDENCE DATA											
Fax Number:	(212)895-2900										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Correspondent Name:	Brown Raysman Millstein Felder & Steiner										
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Address Line 4:	New York, NEW YORK 10022										
ATTORNEY DOCKET NUMBER:	3524-325										
NAME OF SUBMITTER:	Jon Gordon										
Total Attachments: 4 source=Assignment#page1.tif											

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PATENT

REEL: 018187 FRAME: 0903

ASSIGNMENT

WHEREAS, we, Emanuel Edwin Farber, a citizen of the United States residing in New York, NY; Paul Crispin Williams, a citizen of the United Kingdom residing in Horsham, West Sussex, United Kingdom; Michael J. Hardin, a citizen of the United States residing in South Plainfield, NJ; and Scott Halstead, a citizen of the United States residing in Hoboken, NJ (hereinafter, together with our respective heirs, executors, administrators and legal representatives referred to as "Assignors") have invented one or more inventions (hereinafter referred to as "said Invention(s)") disclosed in United States Patent Application Serial No. 11/274,821 entitled "SYSTEMS AND METHODS FOR DATA CODING, TRANSMISSION, STORAGE, AND DECODING," filed 14 November 2005 in the United States Patent and Trademark Office (hereinafter referred to as "said Application");

WHEREAS, Bloomberg LP (hereinafter, together with its successors and assigns, referred to as "Assignee"), a limited partnership organized and existing under the laws of Delaware, having a place of business at 731 Lexington Avenue, New York, New York 10022, is desirous of obtaining all right, title and interest in, to and under said invention(s) and said Application.

NOW, THEREFORE, for the sum of \$10.00 and other good and valuable consideration, including employment by Assignee at the time of the invention(s), the receipt and sufficiency of which Assignors hereby acknowledge, Assignors have sold, assigned, transferred and set over, and by these presents hereby sell, assign, transfer and set over to Assignee all of Assignors' right, title and interest in, to and under said invention(s) and said Application, including (a) the right to apply for patents in the United States of America and in all foreign countries for said invention(s), (b) all Application for patents for said invention(s) or based on said Application in all countries, now filed or to be filed, including all non-provisional, divisional, renewal, substitute, continuation, continuation-in-part and convention Application based in whole or in part upon said invention(s) or upon said Application, (c) all patents which may issue on said invention(s) and on any application transferred by this Assignment in the United States and foreign countries, and any and all reissues, extensions, divisions, renewals, substitutes, continuations or continuations-in-part of patents granted for said invention(s) or upon such Application, for the full term or terms for which the patents may be issued, and (d) every priority right that is or may be predicated upon or arise from said invention(s), said Application and such patents under any applicable international or bilateral treaty, agreement or convention. Assignors hereby authorize Assignee to file patent Application in all countries for any or all of said invention(s) in Assignors' name, or in Assignee's name, or otherwise as Assignee may deem advisable, under any international or bilateral treaty, agreement or convention, or otherwise.

Assignors hereby covenant and agree that Assignors will, upon reasonable request of Assignee, subject to Assignors' prior commitments, and without further consideration but at the expense of the Assignee, communicate any facts known to Assignors relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers required to effect the foregoing, and generally do all further acts which may be deemed necessary by Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

Assignee agrees to indemnify and defend Assignors from and against all claims, law suits, expenses, liabilities, awards, damages, judgments, sanctions, or losses ("Claims") which Assignee may incur or to which Assignors may become subject and which relate to or arise out of Assignee's use of the said invention(s). Assignee also agrees to reimburse Assignors for all expenses (including reasonable counsel fees) as they are incurred by Assignors in defending against or providing evidence relating to any such Claims; provided that Assignee shall have the exclusive right to select counsel to defend Assignors against any such Claims. Assignee shall have no indemnification or defense obligation to Assignors with respect to any action involving Assignors' breach of contract, bad faith, willful or reckless misconduct, or with respect to violation of any policy, procedure, or instruction, of Assignee, or to the extent that the Claims arise as a result of or relate to Assignors' conduct outside the ordinary course of any employment of Assignors by Assignee. Assignors hereby agree promptly to notify Assignee in the event Assignors receive actual notice of any such Claims. Assignors also agree to cooperate with Assignee in Assignee's defense against Claims by making themselves available at reasonable times and reasonable places to representatives of Assignee and/or Assignee's legal counsel.

This Assignment may be executed in several counterparts, each of which will be an original, but all of which, when taken together, will constitute one and the same instrument.

If any part of this Assignment shall be held by a court of competent jurisdiction to be void, invalid or inoperative, the remaining provisions of this Assignment shall not be affected and shall continue in effect, and the invalid provision shall be deemed modified to the least degree necessary to remedy such invalidity.

IN TESTIMONY WHEREOF, Assignors have executed this document on the date(s) indicated below.

Date: 7/7/06

Emanuel E. Farber

Emanuel Edwin Farber

WITNESSED BY:

Michael Nusimow

(Signature)

Michael Nusimow

(Printed Name)

600 W. Ave. #913 New York, NY

(Address - City & State or Country)

7/7/06

(Date)

AMEYA DATEY

(Signature)

AMEYA DATEY

(Printed Name)

200 E. 82nd St CA New York, NY

(Address - City & State or Country)

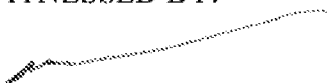
7/7/2006

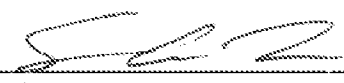
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Date: 7/11/06

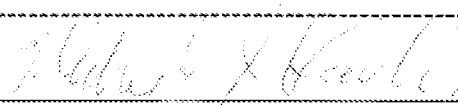
Paul Crispin Williams
Paul Crispin Williams

WITNESSED BY:

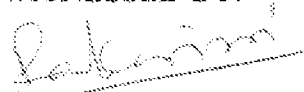

(Signature)
MAN LEUNG
(Printed Name)
24-35 41st St #3 Astoria NY
(Address - City & State or Country)
7/11/06
(Date)

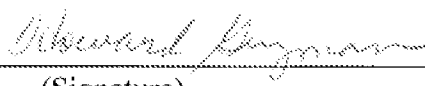

(Signature)
Shih Chun Na
(Printed Name)
35 E 85, LCN, NY NY
(Address - City & State or Country)
7/11/06
(Date)

Date: 7/10/06


Michael J. Hardin

WITNESSED BY:


(Signature)
RAKESH TIWARI
(Printed Name)
CARTERS NJ USA
(Address - City & State or Country)
07/10/06
(Date)


(Signature)
HOWARD GUZMAN
(Printed Name)
JERSEY CITY, NJ USA
(Address - City & State or Country)
07/10/06
(Date)

Date: 6/2/06

Scott Halstead
Scott Halstead

WITNESSED BY:

Don Scherer
(Signature)
Don Scherer
(Printed Name)

3300 MILBURN AVE, BROOKLYN, N.Y.
(Address - City & State or Country)
6/30/06
(Date)

Roseanne Funk
(Signature)
Roseanne Funk
(Printed Name)

134 Atlantic St, Methuen, MA 01840
(Address - City & State or Country)
6/30/06
(Date)