

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>Konstantin Tretjakov</td> <td>03/15/2012</td> </tr> <tr> <td>Luciano Garcia-Banuelos</td> <td>03/15/2012</td> </tr> <tr> <td>Abel Armas-Cervantes</td> <td>03/15/2012</td> </tr> <tr> <td>Jaak Vilo</td> <td>03/15/2012</td> </tr> <tr> <td>Marlon G. Dumas</td> <td>03/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Konstantin Tretjakov	03/15/2012	Luciano Garcia-Banuelos	03/15/2012	Abel Armas-Cervantes	03/15/2012	Jaak Vilo	03/15/2012	Marlon G. Dumas	03/15/2012
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Jaak Vilo	03/15/2012												
Marlon G. Dumas	03/15/2012												
RECEIVING PARTY DATA													
Name:	Skype												
Street Address:	70 Sir John Rogerson's Quay												
City:	Dublin 2												
State/Country:	IRELAND												
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>13341488</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13341488								
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Application Number:	13341488												
CORRESPONDENCE DATA													
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ATTORNEY DOCKET NUMBER:	4054.1208-000												
NAME OF SUBMITTER:	Loretta A. Boudreau												

CH \$40.00 13341488

Total Attachments: 4

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JointASSIGNMENT

WHEREAS, we, **Konstantin Tretjakov, Luciano García-Bañuelos, Abel Armas-Cervantes, Jaak Vilo and Marlon G. Dumas**, have invented a certain improvement in **Processing Search Queries Using a Data Structure** described in an application for Patent,


- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. **13/341,488**, filed **30th December 2011**;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed [], which designates the United States of America [and assigned United States Application No. []];
- which was patented under United States Patent No. [].

WHEREAS, **Skype** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Republic of Ireland**, and having a usual place of business at **70 Sir John Rogerson's Quay, Dublin 2, Republic of Ireland** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

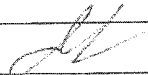
Inventor  Date 15th MARCH 2012
Konstantin Tretjakov

Address Sopruuse 167-86, 13413 Tallinn, Estonia

Witness Signature 

Print Witness Name Marlon G. Dumas

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Witness Signature 

Print Witness Name Anna Leontjeva

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Inventor  Date 15th March 2012
Luciano García-Bañuelos


Address Kalevi 9-6, 51010 Tartu, Estonia


Witness Signature 


Print Witness Name Marlon G. Dumas

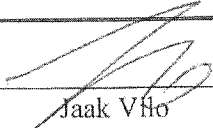
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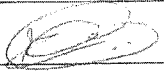
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Inventor 
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Inventor 
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Reference No. [329004US]

Docket No. [4054.1208-000]

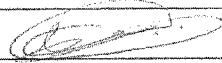
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Marlon G. Dumas

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Print Witness Name Luciano Garcia-Bañuelos

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