

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOSEPH J. FITZGERALD	02/04/2008
OLEG BARENBOIM	02/04/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MANAGE IQ, INC.
<b>Street Address:</b>	100 EAST DAVIE STREET, 18TH FLOOR
<b>City:</b>	RALEIGH
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27601
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13887005
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)827-8185
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	312-372-1121
<b>Email:</b>	chicago.patents@klgates.com
<b>Correspondent Name:</b>	NOLAN R. HUBBARD
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<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60690-1135
<b>NAME OF SUBMITTER:</b>	NOLAN R. HUBBARD
<b>SIGNATURE:</b>	/Nolan R. Hubbard/
<b>DATE SIGNED:</b>	06/19/2014
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

WHEREAS, the undersigned, to wit: Joseph J. Fitzgerald and Oleg Barenboim (hereinafter "ASSIGNORS"), are the lawful owners of an invention entitled: AUTOMATIC OPTIMIZATION FOR VIRTUAL SYSTEMS, for which a patent application of the United States was filed on November 27, 2007 in the United States Patent and Trademark Office having Application Serial No. 11/945,941;

AND WHEREAS, ManageIQ, Inc. (hereinafter "ASSIGNEE"), a corporation duly organized and existing under the laws of Delaware and having its principal office and place of business at One International Boulevard, Suite 211, Mahwah, NJ, 07495, desires to acquire the entire right, title, and interest therein;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said ASSIGNORS do hereby sell, assign, and transfer, and hereby set over unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to said invention in the United States of America and all foreign countries, including, without limitation, said invention as described in the aforesaid application, to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by said ASSIGNORS had this assignment and sale not been made, including, without limitation, all rights to the aforesaid application and to any United States Letters Patent therefor, when issued together with all improvements thereon and betterments thereof, all related applications including, but not limited to, divisions, continuations, continuations-in-part, reissues and reexaminations thereof and substitutions of or for said application, and all foreign rights including the right to make application for Letters Patent for said inventions in any and all foreign countries and the right to claim priority as to the filing date under the International Convention on the basis for the aforesaid application for United States Letters Patent; and ASSIGNORS hereby authorize and request the Commissioner of Patents to issue all Letters Patent issuing therefrom to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNORS hereby agree to execute any papers, provide any information and testify in any interference or litigation at the request of ASSIGNEE, its successors, assigns and legal representatives, when deemed essential to ASSIGNEE's, its successors', assigns' and legal representatives' full enjoyment, protection, enforcement and title in and to such invention and rights hereby transferred.

ASSIGNORS furthermore agree upon request of said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, to execute any and all papers desired by said ASSIGNEE, its successors, assigns and legal representatives, for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE, its successors, assigns and legal representatives.

Signature

Joseph J. Fitzgerald

Name: Joseph J. Fitzgerald

Date Signed

2/4/08

Address: 821 Atterbury Lane

Franklin Lakes, NJ 07417

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

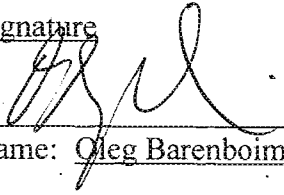
Theodore A. Pena

Date Signed

2/4/08

**THEODORE A. PENA**  
Notary Public, State of New Jersey  
No. 2300646  
Qualified in Bergen County  
Certificate Filed in Bergen County  
Commission Expires 5/19/08

Signature



Name: Oleg Barenboim

Address: 5 Horizon Road, Apt. #1501  
Fort Lee, NJ 07024

Date Signed

2/4/2008

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature



Date Signed

2/4/2008

**THEODORE A. PENA**  
Notary Public, State of New Jersey  
No. 2300646  
Qualified in Bergen County  
Certificate Filed in Bergen County  
Commission Expires 5/19/08