502470127 08/23/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Daniel Bao	07/17/2013
Kevin Elliott	07/18/2013
Aaron Hua	07/17/2013
Dileep Perchani	08/16/2013
Robert Spinella	08/16/2013

RECEIVING PARTY DATA

Name:	Morgan Stanley & Co. LLC
Street Address:	1585 Broadway
City:	New York
State/Country:	NEW YORK
Postal Code:	10036

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13974874

CORRESPONDENCE DATA

Fax Number: 9734039940

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 973-403-9940

Email: KWEITZMAN@WEITZMANIP.COM WEITZMAN LAW OFFICES, LLC Correspondent Name: Address Line 1: **425 EAGLE ROCK AVENUE**

Address Line 2: **SUITE 102**

Address Line 4: ROSELAND, NEW JERSEY 07068

ATTORNEY DOCKET NUMBER:	1064.043
NAME OF SUBMITTER:	Kenneth S. Weitzman
	PATENT

REEL: 031073 FRAME: 0014

Signature:	/Kenneth S. Weitzman/	
Date:	08/23/2013	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6 source=Assignment-Declaration_Executed#page1.tif source=Assignment-Declaration_Executed#page2.tif source=Assignment-Declaration_Executed#page3.tif source=Assignment-Declaration_Executed#page4.tif source=Assignment-Declaration_Executed#page5.tif source=Assignment-Declaration_Executed#page6.tif		

PATENT REEL: 031073 FRAME: 0015

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: PASSIVE REAL-TIME ORDER STATE REPLICATION AND RECOVERY

As a below named inventor, I hereby declare that:
This declaration is directed to the attached application, or (if following box is checked):
[] United States application or PCT international application number
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
I have reviewed and understand the contents of the application, including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information

known to me to be material to patentability as defined in 37 CFR Section §1.56.

Whereas, I have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the Docket Number provided above in the header of this document;

Whereas, MORGAN STANLEY & Co. LLC, a Delaware limited liability company having a place of business at New York, New York (herein referred to as "MORGAN STANLEY"), desires to acquire, and I desire to grant to MORGAN STANLEY, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to MORGAN STANLEY (the "ASSIGNEE"), its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to MORGAN STANLEY, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by MORGAN STANLEY, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in MORGAN STANLEY, its successors, legal representatives, and assigns, whenever requested by MORGAN STANLEY, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to MORGAN STANLEY and am unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant MORGAN STANLEY its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: DANIEL BAO	
Signature: Signature:	Date: 2013.7,17
(2) Legal Name of Inventor: KEVIN ELLIOTT	
Signature: Keun Elliett	
(3) Legal Name of Inventor: AARON HUA	
Signature: 华麗佑	Date: 20/3, 07, 17
(4) Legal Name of Inventor: DILEEP PERCHANI	
Signature:	Date:
(5) Legal Name of Inventor: ROBERT SPINELLA	
Signature:	Date:

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Signature:	Date:
(2) Legal Name of Inventor: KEVIN ELLIOTT	
Signature:	Date:
(3) Legal Name of Inventor: AARON HUA	
Signature:	Date:
(4) Legal Name of Inventor: DILEEP PERCHANI	
Signature:	Date: 08/16/2013
(5) Legal Name of Inventor: ROBERT SPINELLA	
Signature:	Date:

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Signature:	Date:
(5) Legal Name of Inventor: ROBERT SPINELLA	
Signature: Aun Aun Constitution of the Signature of the S	Date: 8-16-2013

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