

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Vladimir Beyder	04/26/2011
Awanish Choudhury	04/26/2011
Mahendra Deshpande	04/26/2011
William J. Hines	04/27/2011
Chandrasekar Meyyappan	04/27/2011
George M. Pillepich	04/27/2011
Joseph J. Rago	04/27/2011
Deepika Sinha	04/27/2011

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13115772

CORRESPONDENCE DATA

Fax Number: (973)403-9944
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 973-403-9940
 Email: KWEITZMAN@WEITZMANIP.COM
 Correspondent Name: WEITZMAN LAW OFFICES, LLC
 Address Line 1: 425 EAGLE ROCK AVENUE
 Address Line 2: SUITE 102
 Address Line 4: ROSELAND, NEW JERSEY 07068

OP \$40.00 13115772

ATTORNEY DOCKET NUMBER:	1064.034
NAME OF SUBMITTER:	Kenneth S. Weitzman
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif	

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

VLADIMIR BEYDER, residing at 21 Autumn Lane, East Brunswick, NJ 08816;
AWANISH CHOUDHURY, residing at 575 Sheringham Lane, Alpharetta, GA 30005;
MAHENDRA DESHPANDE, residing at 804 Morganton Drive, Johns Creek, GA 30024;
WILLIAM J. HINES, residing at 115 Morris Street, Apt. 1347, Jersey City, NJ 07032;
CHANDRASEKAR MEYYAPPAN, residing at 6 Barley Court, Plainsboro, NJ 08536;
GEORGE M. PILLEPICH, residing at 44 Lillian Court, Ramsey, NJ 07446;
JOSEPH J. RAGO, residing at 71 Eltinge Street, Staten Island, NY 10304; and
DEEPIKA SINHA, residing at 22 Esterbrook Drive, Princeton, NJ 08540;

(hereinafter collectively referred to as "ASSIGNORS"),

have made a discovery or invention entitled:

MODULAR INVESTOR POSITION CALCULATION

- for which application for Letters Patent of the United States has been executed on even date herewith,
- for which application for Letters Patent of the United States has been filed on _____, under Application No. _____, and

WHEREAS:

MORGAN STANLEY, 1585 Broadway, New York, NY 10036

(hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all other countries

NOW THEREFORE, TO ALL IT MAY CONCERN:

Be it known that for valuable consideration from ASSIGNEE to ASSIGNORS, the receipt of which is hereby acknowledged, we, said ASSIGNORS, hereby sell, assign and transfer to ASSIGNEE and its successors, other legal representatives and assigns the full and exclusive right, title and interest to said discovery or invention in the United States, its territorial possessions, and in all other countries, and to all Letters Patent or similar legal protection in the United States, its territorial possessions, and in any and all other countries to be obtained for said invention by said application or any continuation, continuation in part, division, renewal, substitute, reissue or reexamination thereof or any legal equivalent thereof in any other country for the full term or terms for which the same may be granted.

We, said ASSIGNORS, hereby covenant that we have the full right to convey the entire interest herein assigned and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

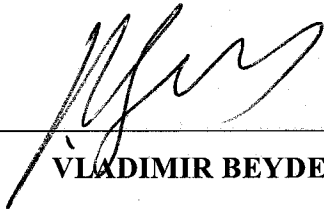
We, said ASSIGNORS, hereby agree to execute all papers necessary in connection with the application and any continuation, continuation in part, divisional, reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient;

We, said ASSIGNORS, hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the empowered officials of all other governments to issue all said Letters Patent for said discovery or invention to the ASSIGNEE as assignee of the entire right, title and interest into and under the same, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns;

We, said ASSIGNORS, hereby authorize the ASSIGNEE to apply for and obtain the recordation of this Assignment, and we, said ASSIGNORS, also hereby agree that we shall, without further consideration, promptly and duly cause to be performed such lawful acts and execution of any other documents as the ASSIGNEE may reasonably request in order for the ASSIGNEE to obtain the full benefit of this Assignment and to permit the Assignment to be duly recorded in each office, bureau and tribunal in the appropriate jurisdiction as the registered owner or proprietor of each of the rights hereby assigned. Such instruments and documents shall include, without limitation, affidavits, including affidavits of use, and other documents for filing in such jurisdictions as the ASSIGNEE may from time to time reasonably request;

AND it is further covenanted and agreed that we, said ASSIGNORS, will, at any time upon request by the ASSIGNEE, its successors, legal representatives or assigns, communicate to said ASSIGNEE, its successors, assigns or other legal representatives, any facts relating to said invention(s) and the history thereof known to said ASSIGNORS and testify as to same in any interference or any other legal proceeding when requested to do so, sign any and all lawful papers, execute any and all necessary assignment papers to cause any Letters Patent to be issued to ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain, perfect title in and enforce proper protection for said inventions in the United States and in any and all other countries, all without further compensation, but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

SIGNED:



VLADIMIR BEYDER

4.26.11

Date

AWANISH CHOUDHURY

Date

MAHENDRA DESHPANDE

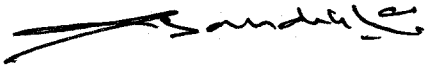
Date



WILLIAM J. HINES

4/27/2011

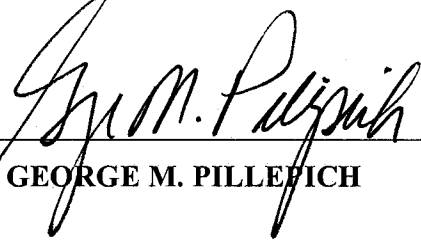
Date



CHANDRASEKAR MEYYAPPAN

4/27/2011

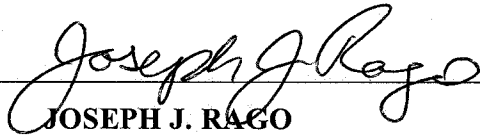
Date



GEORGE M. PILLEFICH

4/27/11

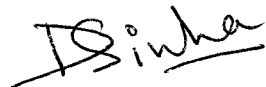
Date



JOSEPH J. RAGO

4/27/2011

Date



DEEPIKA SINHA

4/27/2011

Date

SIGNED:

VLADIMIR BEYDER

Date

Awanish Choudhury

04/26/2011

AWANISH CHOUDHURY

Date

Mahendra

04/26/2011

MAHENDRA DESHPANDE

Date

WILLIAM J. HINES

Date

CHANDRASEKAR MEYYAPPAN

Date

GEORGE M. PILLEPICH

Date

JOSEPH J. RAGO

Date

DEEPIKA SINHA

Date