# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Yibing Shan	01/23/2008
Michael Eastwood	01/23/2008
Ron Dror	01/23/2008
John Klepeis	01/23/2008

### **RECEIVING PARTY DATA**

Name:	D. E. Shaw Research, LLC
Street Address:	39th Floor, Tower 45
Internal Address:	120 West Forty-Fifth Street
City:	New York
State/Country:	NEW YORK
Postal Code:	10036

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11171634

## **CORRESPONDENCE DATA**

500748648

Fax Number: (617)500-2499

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

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Email: chandler@ortpatent.com

Correspondent Name: J. Robin Rohlicek Address Line 1: 10 Fawcett Street

Address Line 2: Occhiuti Rohlicek & Tsao LLP

Address Line 4: Cambridge, MASSACHUSETTS 02138

ATTORNEY DOCKET NUMBER: 30023-003001

NAME OF SUBMITTER: Cassie A. Chandler

**PATENT** 

**REEL: 022074 FRAME: 0908** 

**Total Attachments: 3** 

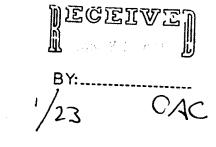
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> PATENT REEL: 022074 FRAME: 0909

JOINT ASSIGNMENT Attorney Docket No.: 30023-002WO1 30023-003001

#### **ASSIGNMENT**

For valuable consideration, we, Yibing Shan of 30 Greenwood Drive, Milburn, NJ 07041, Michael Eastwood of 420 E. 70<sup>th</sup> Street #6L, New York, NY 10021, Ron Dror of 315 W, 70th Street, Apt. 9G, New York, NY 1002, John Klepeis of 333 Route 37, New Fairfield CT, 06812, as joint inventors with David E. Shaw of, 39th Floor, Tower 45, 120 West Forty-Fifth Street, New York, NY 10036, hereby assign to D. E. Shaw Research, LLC, a Delaware limited liability company having a place of business at 39th Floor, Tower 45, 120 West Forty-Fifth Street, New York, NY 10036 USA, and its successors and assigns (collectively hereinafter called "the Assignee"), effective as of June 30, 2005, our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MULTIPLE BODY SIMULATION, filed June 30, 2005, and assigned U.S. Serial Number 11/171,634, and Patent Cooperation Treaty Application entitled MULTIPLE BODY SIMULATION, filed June 30, 2005, and assigned PCT Application No. PCT/US2005/023184, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements. including European Application entitled MULTIPLE BODY SIMULATION, filed June 30, 2005, and assigned Serial No. 05764524.4; European Application entitled MULTIPLE BODY SIMULATION, filed June 30, 2005, and assigned Serial No. 07000578.0; Japanese Application entitled MULTIPLE BODY SIMULATION, filed June 30, 2005, and assigned Serial No. 2007-520370 and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.



PATENT REEL: 022074 FRAME: 0910

JOINT ASSIGNMENT Attorney Docket No.: 30023-002WO1

30023-003001

Date:	Yibing Shan
STATE OF New York )ss.	
personally known to me (or proved to me on the	
WITNESS my hand and official seal.	
Date:1-23-2008	Notary Public  Notary Public, State of New York No. 01Ll6137030  Qualified in Kings County Certificate Filed in New York County Commission Expires November 14, 200  Michael Eastwood
STATE OF New York )ss.	
personally known to me (or proved to me on the	
WITNESS my hand and official seal.	
	2
	Notary Public

**PATENT** 

BRIAN J. LILLARD
Notary Public, State of New York
No. 01L16137030
Qualified in Kings County
Certificate Filed in New York County
Commission Expires November 14, 2009

REEL: 022074 FRAME: 0911

JOINT ASSIGNMENT Attorney Docket No.: 30023-002WO1 30023-003001

Date:  -23-208	2 m
	Ron Dror
STATE OF New York SS.	
the State of	nowledged having executed the same in his this Assignment, the person or the entity upon
WITNESS my hand and official seal.	
Date:	Notary Public  BRIAN J. LILLARD  Notary Public, State of New York No. 01LI6137030  Qualified in Kings County Certificate Filed in New York County Commission Expires November 14, 2009  John Klepeis
STATE OF New York  COUNTY OF New York  SS.	
	ho acknowledged having executed the same in on this Assignment, the person or the entity
WITNESS my hand and official seal.	
	7)
	Notary Public

PATENT REEL: 022074 FRAME: 0912

BRIAN J. LILLARD
Notary Public, State of New York
No. 01L16137030
Qualified in Kings County
Certificate Filed in New York County
Commission Expires November 14, 2009

**RECORDED: 01/08/2009**