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10310	ET 1111779-1441
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1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Steven Charles Doire Robert Ray Salzman	Name: Deutsche Bank AG O
Noboli Nay Gaizman	Internal Address:
1	ად ეე
Additional name(s) of conveying party(ies) attached? Yes 13. Nature of conveyance/Execution Date(s):	
Execution Date(s) October 3, 2005 and October 10, 2005	Street Address: 60 Wall Street
Assignment Merger	_
	City: New York
Security Agreement Change of Name	Oity
☐ Joint Research Agreement	State: New York
Government Interest Assignment	Country: US Zip: 10005
Executive Order 9424, Confirmatory License	Zip. 10005
Other	Additional name(s) & address(es) attached? Tes
Additional numbers 5. Name and address to whom correspondence	
concerning document should be mailed:	6. Total number of applications and patents involved: One (1)
Name: White & Case LLP	7 Total fee (27 CFD 4 24/b) 9 2 44)
Internal Address: Patent Department	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
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Charact Address and the control of t	Authorized to be charged to deposit account Enclosed
Street Address: 1155 Avenue of the Americas	None required (government interest not affecting t
City: Now York	
City: New York	8. Payment Information
State: New York Zip: 10036	8. Payment Information a Credit Card Last 4 Numbers
Phone Number: <u>212-819-8200</u>	a. Credit Card Last 4 Numbers Expiration Date
	a. Credit Card Last 4 Numbers Expiration Date
Fax Number: 212-354-8113	a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 23-1703
Fax Number: 212-354-8113 Email Address: 254-8113 Email Address: 254-8113	a. Credit Card Last 4 Numbers Expiration Date
Email Address: @Weingaertner@whitecase.com	a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 23-1703 Authorized User Name Scott T. Weingaertner
Email Address: &Weingaertner@whitecase.com 9. Signature:	a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 23-1703 Authorized User Name Scott T. Weingaertner October 13, 2005
Email Address: aweingaertner@whitecase.com 9. Signature:	a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 23-1703 Authorized User Name Scott T. Weingaertner

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ATTORNEY DOCKET NO.: 1111779-1441

ASSIGNMENT

Now, therefore, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, I/we

Steven Charles **Doire**, residing in Mansfield, MA, and Robert Ray **Salzman**, residing in Mount Prospect, IL, hereafter referred to as ASSIGNOR (S),

Hereby sell(s), assign(s) and transfer(s) to ASSIGNEE Deutsche Bank AG, a company created and existing under the laws of Germany, and having an office for the transaction of business at 60 Wall Street, New York, New York 10005, and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, in and to the inventions and any and all improvements thereon which are the subject of an application entitled:

DYNAMIC BOOK YIELD ANALYSIS

And which is disclosed in:

(a) 🛚	U.S. patent application executed on even date herewith;
(b) 🗌	U.S. patent application executed on
(c) 🗌	U.S. application no filed on
(d) 🗌	International application no filed on

And in and to the above application and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to any division, continuation or continuation-in-part, renewal or substitute thereof, and in and to all resulting Letters Patents or any reissue or reexamination thereof, to have and to hold the same to the full end of the term or terms for which any and all of said Letters Patent may be granted;

ASSGNOR(S) authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns;

ASSIGNOR(S) hereby covenant(s) that ASSIGNOR(S) has/have the full power to make this assignment, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

Without further payment or compensation by the ASSIGNEE or its successors and assigns, ASSIGNOR(S) further covenant(s) and agree(s) to communicate to said ASSIGNEE or its representatives, agents, its successors or assigns, any facts relating to said invention or inventions including evidence for purposes of interference or other administrative or legal proceedings whenever requested; to testify in any interference, legal or administrative proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

NEWYORK 5174068 (2K)

PATENT REEL: 017104 FRAME: 0143

DOCKET NO.: 1111779-1441

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written. Signature of Assignor: Steven Charles Doire Date of Assignor's Signature WITNESSED BY: Signature of Witness Signature of Witness Name of Witness Name of Witness (Type or print clearly) (Type or print clearly) IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written. Signature of Assignor: Robert Ray Salzman Date of Assignor's Signature WITNESSED BY: Signature of Witness Signature of Witness Name of Witness Name of Witness (Type or print clearly) (Type or print clearly) IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written. Signature of Assignor Date of Assignor's Signature WITNESSED BY: Signature of Witness Signature of Witness Name of Witness Name of Witness (Type or print clearly) (Type or print clearly) Additional signature pages attached:

Yes ☑ No

Any attorney of record is authorized and requested by the execution of this assignment to insert into this

assignment any further information necessary for recordation of this document.

PATENT REEL: 017104 FRAME: 0144

ATTORNEY DOCKET NO.: 1111779-1441

ASSIGNMENT

Now, therefore, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, I/we

Steven Charles **Doire**, residing in Mansfield, MA, and Robert Ray **Salzman**, residing in Mount Prospect, IL, hereafter referred to as ASSIGNOR (S),

Hereby sell(s), assign(s) and transfer(s) to ASSIGNEE Deutsche Bank AG, a company created and existing under the laws of Germany, and having an office for the transaction of business at 60 Wall Street, New York, New York 10005, and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, in and to the inventions and any and all improvements thereon which are the subject of an application entitled:

DYNAMIC BOOK YIELD ANALYSIS

And which is disclosed in:

(a) 🛚	U.S. patent application executed on even date herewith;
(b) 🗌	U.S. patent application executed on
(c) 🗌	U.S. application no filed on
(d) 🗌	International application no filed on

And in and to the above application and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to any division, continuation or continuation-in-part, renewal or substitute thereof, and in and to all resulting Letters Patents or any reissue or reexamination thereof, to have and to hold the same to the full end of the term or terms for which any and all of said Letters Patent may be granted;

ASSGNOR(S) authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns;

ASSIGNOR(S) hereby covenant(s) that ASSIGNOR(S) has/have the full power to make this assignment, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

Without further payment or compensation by the ASSIGNEE or its successors and assigns, ASSIGNOR(S) further covenant(s) and agree(s) to communicate to said ASSIGNEE or its representatives, agents, its successors or assigns, any facts relating to said invention or inventions including evidence for purposes of interference or other administrative or legal proceedings whenever requested; to testify in any interference, legal or administrative proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

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assignment any further information necessary for recordation of this document. IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written. Signature of Assignor: Steven Charles Doire Date of Assignor's Signature WITNESSED BY: Signature of Witness Signature of Witness Name of Witness Name of Witness (Type or print clearly) (Type or print clearly) IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written. Signature of Assignor: Robert Ray Salzman Date of Assignor's Signature WITNESSED BY: Name of Witness Name of Witness (Type or print clearly) (Type or print clearly) IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written. Signature of Assignor Date of Assignor's Signature WITNESSED BY: Signature of Witness Signature of Witness Name of Witness Name of Witness (Type or print clearly) (Type or print clearly) Additional signature pages attached:

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