

03-15-2002

FORM PTO-1595
(Revised 6-93)U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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102012963...

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS:
Please record the attached original documents or copy thereof.

Attorney Docket No.: 39559/257756

1. Name of conveying party(ies):

David Frederick Horrobin
Philip Knowles
Paul Bradley
Peter Redden
Mehar Manku
Austin McMordie
Paul Wakefield
Andrea Pitt

Additional names of conveying party(ies) attached?

☐ YES ☒ NO

2. Name and address of receiving party(ies):

Name: Scotia Holdings plc
Street Address: Scotia House, Castle Business Park
City, State, Zip: Stirling, Scotland FK9 4TZ
United Kingdom
Additional name(s) and address(es) attached?
☐ YES ☒ NO

3. Nature of conveyance:

X	Assignment		Merger		Other
	Security Agreement		Change of Name		

Execution Date: July 18, 2000; December 13, 1999; January 16, 2000; January 17, 2000; December 13, 1999; December 17, 1999; December 20, 1999; and December 20, 1999, respectively

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

08/945,667

B. Patent No.(s):

6,245,811
6,015,821Additional numbers attached? ☒ YES ☐ NO

5. Name and address of party to whom correspondence concerning document should be mailed:

John S. Pratt, Esq.
KILPATRICK STOCKTON LLP
1100 Peachtree Street, Suite 2800
Atlanta, Georgia 30309-4530
(404) 815-6528

6. Total number of applications and patents involved

7. Total fee (37 CFR 3.41): \$120.00

☐ Enclosed☒ Authorized to be charged to Deposit Account.*****
The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 11-0855

8. Deposit account number: 11-0855 (Attach duplicate copy of this form if paying by deposit account)

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

03/18/2002 DBYRNE 00000103 110855 08945667

01 FC:581 120.00 CH
02 FC:584 120.00 CH

Bruce D. Gray

March 13, 2002
Date

Total Number of Pages Including Cover Sheet, Attachments, and Document: 9

PATENT
REEL: 012483 FRAME: 0551

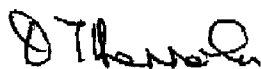
ASSIGNMENT

WHEREAS, I David Frederick Horrobin am co-inventor for the inventions described in United States Patent Applications Serial Nos. 08/945,667, 08/945,779 and 08/952,305; and

WHEREAS, Scotia Holdings plc, a company organized under the laws of the United Kingdom having an office at Scotia House, Castle Business Park, Stirling, Scotland, FK9 4TZ, United Kingdom desires to purchase same;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by Scotia Holdings plc, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto Scotia Holdings plc, in and for the United States and its territories, the entire right, title and interest in and to said applications, in and to the inventions therein set forth and in and to any patents which may issue or have issued on said applications or any reissue renewal, division, or continuation thereof, and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 18th day of July 2000


David Frederick Horrobin

Witnesses:

1. Signed: Amanda Green
Printed Name: AMANDA GREEN
Address: AXDALE LTD KINGS PARK HOUSE
LAURELHILL BUSINESS PARK STIRLING
2. Signed: _____
Printed Name: _____
Address: _____

ASSIGNMENT

WHEREAS, I, **Philip Knowles** am co-inventor for the invention described in United States Patent Application Serial Nos. 08/945,667, 08/945,779 and 08/952,305; and

WHEREAS, **Scotia Holdings plc**, a company organized under the laws of the United Kingdom having an office at Scotia House, Castle Business Park, Stirling, Scotland FK9 4TZ, United Kingdom desires to purchase same;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by **Scotia Holdings plc**, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto **Scotia Holdings plc**, in and for the United States and its territories, the entire right, title and interest in and to said applications, in and to the inventions therein set forth and in and to any patents which may issue on said applications or any reissue, renewal, division, or continuation thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13th day of December, 1999.


Philip Knowles

Witnesses:

1. Signed: S. Bowers
Printed Name: SUSAN BOWERS
Address: 84 Larch Drive
Graenor Park, Carlisle
2. Signed: R. Sanderson
Printed Name: R. SANDERSON
Address: 85 St. Marys, Leam Road
Carlisle

ASSIGNMENT

WHEREAS, I, **Paul Bradley** am co-inventor for the invention described in United States Patent Application Serial No. 08/945,667; and

WHEREAS, **Scotia Holdings plc**, a company organized under the laws of the United Kingdom having an office at Scotia House, Castle Business Park, Stirling, Scotland FK9 4TZ, United Kingdom desires to purchase same;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by **Scotia Holdings plc**, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto **Scotia Holdings plc**, in and for the United States and its territories, the entire right, title and interest in and to said application, in and to the invention therein set forth and in and to any patent which may issue on said application or any reissue, renewal, division, or continuation thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 16 day of January, 1999. 2000


Paul Bradley

Witnesses:

1. Signed: S. Bowers
Printed Name: S. BOWERS
Address: 34 Larch Drive
Grosvenor Park, Carlisle, Cumbria
2. Signed: [Signature]
Printed Name: BARBARA STANNERS
Address: 1 Granville Cottage
Newbrough nr. Haverham


ASSIGNMENT

WHEREAS, I, **Peter Redden** am co-inventor for the invention described in United States Patent Application Serial Nos. 08/945,667, 08/945,779 and 08/952,305; and

WHEREAS, **Scotia Holdings plc**, a company organized under the laws of the United Kingdom having an office at Scotia House, Castle Business Park, Stirling, Scotland FK9 4TZ, United Kingdom desires to purchase same;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by **Scotia Holdings plc**, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto **Scotia Holdings plc**, in and for the United States and its territories, the entire right, title and interest in and to said applications, in and to the inventions therein set forth and in and to any patents which may issue on said applications or any reissue, renewal, division, or continuation thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 17th day of January, 1999.


Peter Redden

Witnesses:

1. Signed: Kimberly McManus
Printed Name: Kimberly McManus
Address: 9 Burns Dr Apt 64
Guelph, Ontario N1H 7C3
2. Signed: Sandra Scott
Printed Name: SANDRA SCOTT
Address: 1 ELLIS CT. DARTMOUTH
N.S. B2X 2T4

ASSIGNMENT

WHEREAS, I, **Mehar Manku** am co-inventor for the invention described in United States Patent Application Serial Nos. 08/945,667, 08/945,779 and 08/952,305; and

WHEREAS, **Scotia Holdings plc**, a company organized under the laws of the United Kingdom having an office at Scotia House, Castle Business Park, Stirling, Scotland FK9 4TZ, United Kingdom desires to purchase same;



NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by **Scotia Holdings plc**, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto **Scotia Holdings plc**, in and for the United States and its territories, the entire right, title and interest in and to said applications, in and to the inventions therein set forth and in and to any patents which may issue on said applications or any reissue, renewal, division, or continuation thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13th day of Dec, 1999.



Mehar Manku

Witnesses:

1. Signed: 
Printed Name: Susan Belcher
Address: 34 Larch Drive
Grosvenor Park, Carlisle
2. Signed: 
Printed Name: R. SANDERSON
Address: 35 Gresham Road
Carlisle

ASSIGNMENT

WHEREAS, I, **Austin McMordie** am co-inventor for the invention described in United States Patent Application Serial Nos. 08/945,667, 08/945,779 and 08/952,305; and

WHEREAS, **Scotia Holdings plc**, a company organized under the laws of the United Kingdom having an office at Scotia House, Castle Business Park, Stirling, Scotland FK9 4TZ, United Kingdom desires to purchase same;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by **Scotia Holdings plc**, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto **Scotia Holdings plc**, in and for the United States and its territories, the entire right, title and interest in and to said applications, in and to the inventions therein set forth and in and to any patents which may issue on said applications or any reissue, renewal, division, or continuation thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 17th day of December, 1999.

Austin McMordie
Austin McMordie

Witnesses:

1. Signed: Stephen Barr
Printed Name: STEPHEN BARR
Address: GUICHEN LTD, DAVID KER
BUILDING, STRAMILLIS RD, BELFAST
2. Signed: Helena Mc Alonan
Printed Name: HELENA MC ALONAN
Address: GUICHEN LTD DAVID
KER BUILDING, STRAMILLIS RD.
BELFAST.

ASSIGNMENT

WHEREAS, I, **Paul Wakefield** am co-inventor for the invention described in United States Patent Application Serial No. 08/945,667; and

WHEREAS, **Scotia Holdings plc**, a company organized under the laws of the United Kingdom having an office at Scotia House, Castle Business Park, Stirling, Scotland FK9 4TZ, United Kingdom desires to purchase same;



NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by **Scotia Holdings plc**, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto **Scotia Holdings plc**, in and for the United States and its territories, the entire right, title and interest in and to said application, in and to the invention therein set forth and in and to any patent which may issue on said application or any reissue, renewal, division, or continuation thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 20 day of December, 1999.



Paul Wakefield

Witnesses:

1. Signed: 
Printed Name: ROSEMARY ANNE VERNON
Address: 25 CROFT PARK, WETHERAL,
CARLISLE, CUMBRIA, CA4 5TH.
2. Signed: 
Printed Name: KATE ELIZABETH WAKEFIELD
Address: 11 TENSDALE ROAD, CARLISLE
CUMBRIA CA4 3HF.


ASSIGNMENT

WHEREAS, I, **Andrea Pitt** am co-inventor for the invention described in United States Patent Application Serial Nos. 08/945,667, 08/945,779 and 08/952,305; and

WHEREAS, **Scotia Holdings plc**, a company organized under the laws of the United Kingdom having an office at Scotia House, Castle Business Park, Stirling, Scotland FK9 4TZ, United Kingdom desires to purchase same;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by **Scotia Holdings plc**, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto **Scotia Holdings plc**, in and for the United States and its territories, the entire right, title and interest in and to said applications, in and to the inventions therein set forth and in and to any patents which may issue on said applications or any reissue, renewal, division, or continuation thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 20th day of DECEMBER, 1999.



Andrea Pitt

Witnesses:

1. Signed: S. Bowers
Printed Name: S. Bowers
Address: 34 Larn Drive
Cirencester, Wiltshire, Wiltshire, Wiltshire
2. Signed: [Signature]
Printed Name: Witness Barbara Stammers
Address: 1 Eversholt Cottages
Newborough, Wiltshire