

09-13-2002

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Form PTO-1595 (Rev. 3/01)



U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

102221076

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
LOOCK, Hans-Peter  
BROWN, R. Stephen  
KOZIN, Igor  
TONG, Zhaoguo  
OLESCHUK, Richard D.  
Additional name(s) of conveying party(ies) attached?  Yes  No

9.9.02

2. Name and address of receiving party(ies)  
Name: QUEEN'S UNIVERSITY AT KINGSTON

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: Kingston State: Ontario Zip: K7L 3N6

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

August 20, 2002, August 16, 2002,  
August 18, 2002, August 26, 2002,  
August 20, 2002

Execution Date: \_\_\_\_\_

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)  
10/156,238

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Stephen J. Scribner

Internal Address: PARTEQ Innovations  
Room 1625, Biosciences Complex,  
Queen's University

Street Address: \_\_\_\_\_

City: Kingston State: Ontario Zip: K7L 3N6

6. Total number of applications and patents involved:  1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

17-0110

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

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.

Stephen J. Scribner

Name of Person Signing

S. Silow

Signature

6 Sep 2002

Date

Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

09/12/2002 6TOM11 00000128 170110 10156238  
01 FC:581 40.00 CH

PATENT  
REEL: 013272 FRAME: 0491

## ASSIGNMENT


We, **LOOCK, Hans-Peter, BROWN, R. Stephen, KOZIN, Igor, TONG, Zhaoguo,** and **OLESCHUK, Richard D.**, whose full post office addresses are 674 Rogers Side Road, Kingston, Ontario, K7L 4V1, Canada; 136 Beverly Street, Kingston, Ontario, K7L 3Y6, Canada; 149 Byron Crescent, Kingston, Ontario, K7M 1J2, Canada; 439 College Street, Kingston, Ontario, K7L 4M8, Canada; and 436 Fieldstone Drive, Kingston, Ontario, K7K 7E2, Canada; respectively, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, do hereby sell and assign to **Queen's University at Kingston**, a non-profit educational corporation, whose full post office address is Kingston, Ontario, K7L 3N6, Canada (hereinafter **Queen's**), all our rights, title and interest, including priority rights, in and to our invention relating to **Optical Loop Ring-Down**, as set forth in the United States Patent Application Serial No. 60/331,181, filed November 9, 2001, United States Patent Application Serial No. 10/156,238, filed May 29, 2002 and Canadian Patent Application No. 2,386,884, filed May 29, 2002 in and for the United States of America, Canada, and all countries foreign thereto in its name or in any name at its election.

We hereby covenant and agree that we will execute or procure any further necessary documents of the title to said invention and Letters Patents; and that we will, at any time, upon the request and at the expense of Queen's, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor, to Queen's; we will, at any time, upon the request and at the expense of Queen's, testify in any legal proceedings, sign all lawful papers, execute any additional, divisional, substituting, continuing or reissue applications for patents for said invention, or any part or parts thereof, make all rightful oaths and generally do all lawful acts to aid Queen's, its successors, assigns or other legal representatives to obtain and enforce patent protection in said invention in all countries, without further compensation, but at the expense of Queen's, its successors, assigns or other legal representatives.

And we hereby authorize and request the Commissioner of Patents or the Comptroller (as the case may be) to issue any and all Letters Patent for said invention or resulting from said application, or from any division, reissue or extension thereof, to Queen's as our sole assignee.


In testimony whereof I have hereunto set my hand:

this 20 day of August 2002

  
\_\_\_\_\_  
Hans-Peter Loock

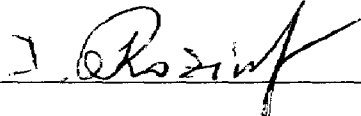
In testimony whereof I have hereunto set my hand:

this 16 day of August, 2002

  
\_\_\_\_\_  
R. Stephen Brown

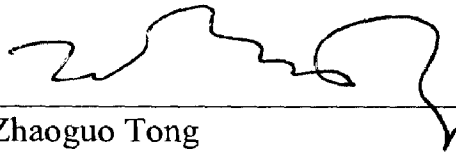
In testimony whereof I have hereunto set my hand:

this 18 day of July, 2002

  
\_\_\_\_\_  
Igor Kozin

In testimony whereof I have hereunto set my hand:

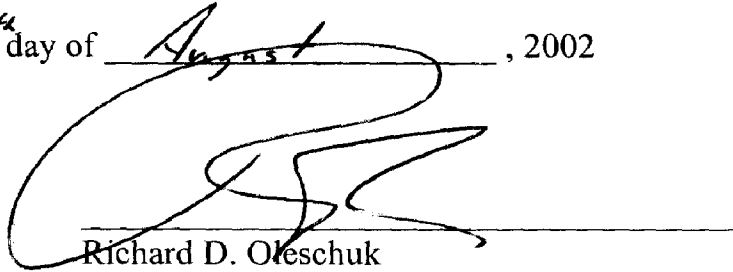
this 26 day of August, 2002



Zhaoguo Tong

In testimony whereof I have hereunto set my hand:

this 20<sup>th</sup> day of August, 2002

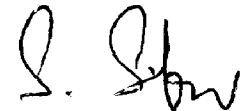


Richard D. Oleschuk

**CERTIFICATE**

City of Kingston )  
Province of Ontario )

On this 20 day of August 2002 appeared before me in person the above **Hans-Peter Loock** and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.

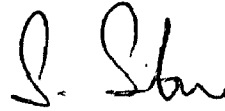


Stephen J. Scribner  
Notary Public  
Province of Ontario

Stephen Joseph Scribner, Notary Public,  
Frontenac Board of Management, limited to the  
attestation of instruments and the taking of affidavits,  
for PARTEQ R & D Innovations,  
Expires January 9, 2004

City of Kingston )  
Province of Ontario )

On this 16 day of August 2002 appeared before me in person the above **R. Stephen Brown** and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.



Stephen J. Scribner  
Notary Public  
Province of Ontario

Stephen Joseph Scribner, Notary Public,  
Frontenac Board of Management, limited to the  
attestation of instruments and the taking of affidavits,  
for PARTEQ R & D Innovations.

Expires January 9, 2004

City of Kingston )  
Province of Ontario )

On this 18 day of July 2002 appeared before me in person the above **Igor Kozin** and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.



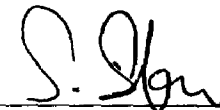
Stephen J. Scribner  
Notary Public  
Province of Ontario

Stephen Joseph Scribner, Notary Public,  
Frontenac Board of Management, limited to the  
attestation of instruments and the taking of affidavits,  
for PARTEQ R & D Innovations.

Expires January 9, 2004

City of Kingston )  
Province of Ontario )

On this 26 day of August 2002 appeared before me in person the above **Zhaoguo Tong** and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.



Stephen J. Scribner  
Notary Public  
Province of Ontario

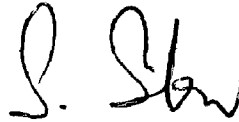
Stephen Joseph Scribner, Notary Public,  
Frontenac Board of Management, limited to the  
attestation of instruments and the taking of affidavits,  
for PARTEQ R & D Innovations,  
Expires January 9, 2004.

PATENT

REEL: 013272 FRAME: 0495

City of Kingston )  
Province of Ontario )

On this 20 day of August 2002 appeared before me in person the above **Richard D. Oleschuk** and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.



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Stephen J. Scribner  
Notary Public  
Province of Ontario

Stephen Joseph Scribner, Notary Public,  
Frontenac Board of Management, limited to the  
attestation of instruments and the taking of affidavits,  
for PARTEQ R & D Innovations.  
Expires January 9, 2004