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U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)

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U.S. PATENT AND TRADEMARK OFFICE

To the honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof:

1. Name of Conveying Party(ies):

GERRITS, John

7-24-03

POLLINI, Alexandre

FARSEROTU, John

2. Name and Address of Receiving Party(ies):

Name: CSEM Centre Suisse d'Electronique et de Microtechnique SA Recherche et Developpement

Street Address: Rue Jaquet-Droz 1

Street Address:

City: Neuchatel

State/Country: Switzerland Postal Code: 2007

Additional name(s) of conveying party(ies) attached?  Yes  No

Additional name(s) and addresses attached?  Yes  No

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3. Nature of Conveyance:

- Assignment  Change of Name
- Security Agreement  Other:
- Merger

Execution Date: 06192003

4. Application Number(s) or Patent Number(s):

Assignment is being filed together with new application and the first execution date of application is : 06192003

Application has been filed already and the application filing date is:

A. Patent Application Number(s):

B. Issued Patent Number(s):

07/25/2003 HTECKLU1 00000028 10625731

40.00 DP

Additional numbers attached?  Yes  No

02 FC:8021

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

CUSTOMER NUMBER 00136 -or-

JACOBSON HOLMAN PLLC  
400 Seventh Street, N.W.  
Washington, D.C. 20004-2218  
Tel. 202-638-6666

Attorney Docket Number: P69037US0

6. Total number of applications and patents involved:

7. Total Fee (37 CFR 3.41): \$ 40.00

- Enclosed
- Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.

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8. 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.

Harvey B. Jacobson, Jr. 20,851

*Harvey B. Jacobson, Jr.*

July 24, 2003

Name of Person Signing, Reg. No.

Signature

Date

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

2

UNITED STATES OF AMERICA—ASSIGNMENT

(1-6) Insert Name(s) of Inventors

- (1) John GERRITS
(2) Alexandre POLLINI
(3) John FARSEROTU
(4)
(5) and
(6)

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned agree(s) to assign, transfer and set over to

(7) Insert Name of assignee

- (7) CSEM Centre Suisse d'Electronique et de Microtechnique SA... - Recherche et Développement

(8) Insert Address of Assignee

- (8) of Rue Jaquet-Droz 1 - 2007 NEUCHATEL - SWITZERLAND

(9) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan)

- (9) a Corporation of SWITZERLAND (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(10) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number

- (10) "A METHOD OF COMMUNICATING INFORMATION BETWEEN A TRANSMITTER AND A RECEIVER USING ULTRAWIDEBAND SIGNALS".

for which the undersigned has (have) executed an application for patent in the United States of America

(11) Insert Date of Signing of Application, or filing date and Serial No., if known

- (11) Said application having been executed/filed on July 24, 2003 (and assigned Serial No. ....)

- 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements.
4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.
6) The undersigned hereby grant(s) the law firm of Jacobson, Price, Holman & Stern, PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date June 13, 2003 Name of Inventor John GERRITS typed name signature John F. M. Gerrits (SEAL)
Date June 19, 2003 Name of Inventor Alexandre POLLINI typed name signature Alexandre Pollini (SEAL)
Date June 19, 2003 Name of Inventor John FARSEROTU typed name signature John Farseroty (SEAL)
Date Name of Inventor typed name signature (SEAL)
Date Name of Inventor typed name signature (SEAL)
Date Name of Inventor typed name signature (SEAL)

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Additional inventor's names and signatures on a separate sheet. Witness Gabriela Castro Witness ARIANE JORIS

LAW OFFICES OF JACOBSON, PRICE, HOLMAN & STERN PROFESSIONAL LIMITED LIABILITY COMPANY THE JENIFER BUILDING 400 SEVENTH STREET, N.W.

PATENT