

01-16-2001

To the Honorable Commissioner of Pa

101582307

ached original documents or copy thereof.

1. Name of conveying party(ies):

MITSUBISHI ELECTRIC INFORMATION TECHNOLOGY
CENTRE EUROPE B.V.

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

Name: MITSUBISHI DENKI KABUSHIKI
KAISHAAddress: 2-3, Marunouchi 2-chome,
Chiyoda-ku,
TOKYO 100-8310 JAPANAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: December 12, 2000

Additional name(s) and address(es) attached? ☐ Yes ☒ No

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: **December 11 and
December 4, 2000**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

22850

6. Total 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: 15-0030
(Attach duplicate copy of this page if paying by deposit account)

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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.*

Marvin J. Spivak

Name of Person Signing

Signature

12/28/00

Date

Registration Number: 24,913

C. Lynn McClelland
Registration Number 21,124

Total number of pages including this cover sheet: 2

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PATENT
REEL: 011412 FRAME: 0034

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged,

MITSUBISHI ELECTRIC INFORMATION TECHNOLOGY CENTRE EUROPE B.V.
hereby sells, assigns and transfers to

MITSUBISHI DENKI KABUSHIKI KAISHA
of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled CHANNEL ESTIMATION BY TIME MULTIPLEXED COMPLEMENTARY SEQUENCES which was executed by the inventor(s) Marian RUDOLF and Bruno JECHOUX on _____ or was filed on _____ and accorded Serial No. _____ (hereinafter called the Application);
- (ii) any and all inventions and improvements which are described in the Application;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.


Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the Assignor will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

Date: 12 - Dec - '00

MITSUBISHI ELECTRIC INFORMATION TECHNOLOGY CENTRE
EUROPE B.V.

By: 

Typed Name: Shuichi ONO

Typed Title: President