

03-25-2003

Form PTO-1595

(Rev. 03/01)

U.S. DEPARTMENT OF COMMERCE

U.S. PATENT AND TRADEMARK OFFICE

102399076

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

1. Name of Conveying Party(ies):

Teruji IDE

Kazuo AKAIKE

Kazushi TAKAHASHI

Manabu NAKAMURA

3-1303

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

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

Name: Hitachi Kokusai Electric Inc.

Street Address: 14-20, 3-chome, Higashi-Nakano

Street Address: Nakano-ku

City: Tokyo

State/Country: JAPAN

Postal Code: 164-8511

Additional name(s) and addresses attached? ☐ Yes ☒ NoJ1050 U.S. PTO
10/386603
03/13/03

3. Nature of Conveyance:

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

Execution Date: 02-10-2003, 02-17-2003, 02-10-2003 and 02-13-2003.

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

10386603

☒ Assignment is being filed together with new application and the first execution date of application is: 02-10-2003☐ Application has been filed already and the application filing date is:

A. Patent Application Number(s):

B. Issued Patent Number(s):

03/18/2003 LWDNDIM1 00000031 10386603

FEC:0001

40.00 OF

Additional numbers attached? ☐ Yes ☒ No

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: P68714US0

6. Total number of applications and patents involved: 1

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.

John C. Holman 22,769

Signature

March 13, 2003

Name of Person Signing, Reg. No.

Date

Total number of pages including cover sheet, attachments, and documents: 2

UNITED STATES OF AMERICA - ASSIGNMENT

(1-5) Insert Name(s) of Inventors (1) Teruji IDE
(2) Kazuo AKAIKE
(3) Kazushi TAKAHASHI
(4) Manabu NAKAMURA and
(5) _____
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 hereby assigns, transfers and sets over to
(6) Insert Name of Assignee (6) Hitachi Kokusai Electric Inc.
(7) Insert Address of Assignee (7) of 14-20, 3-chome, Higashi-Nakano, Nakano-ku, Tokyo 164-8511, Japan
(8) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan) (8) a corporation of Japan
(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
(9) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (9) P. APPLN. 2002-083191 (Japan)
for which the undersigned has (have) executed an application for patent in the United States of
(10) Insert Date of signing of Application, or filing date and Serial No., if known (10) Said application having been ~~executed~~ filed on March 13, 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 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 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 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

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents 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) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement.

7) The undersigned hereby grant(s) the law firm of Jacobson Holman 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	February 10, 2003	Name of Inventor	Teruji IDE	<i>Teruji Ide</i>	(SEAL)
			typed name	signature	
Date	February 17, 2003	Name of Inventor	Kazuo AKAIKE	<i>Kazuo Akaike</i>	(SEAL)
			typed name	signature	
Date	February 10, 2003	Name of Inventor	Kazushi TAKAHASHI	<i>Kazushi Takahashi</i>	(SEAL)
			typed name	signature	
Date	February 13, 2003	Name of Inventor	Manabu NAKAMURA	<i>Manabu Nakamura</i>	(SEAL)
			typed name	signature	
Date		Name of Inventor			(SEAL)
			typed name	signature	

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 on a separate sheet. Witness *Volker Zintner*
Witness *Emiko Nakui*

LAW OFFICES OF
JACOBSON HOLMAN
PROFESSIONAL LIMITED LIABILITY COMPANY
THE JENIFER BUILDING
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004

JH 5/01 (Copying without deletions permitted)

RECORDED: 03/13/2003

PATENT
REEL: 013872 FRAME: 0106