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FORM PTO-1595

REC

U.S. DEPARTMENT OF COMMERCE



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2001 Staas & Halsey LLP

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

1135 U.S. PTO
10/331513
12/31/02

1. Name of conveying parties:

Kenichi USHIYAMA
Shigenori ICHINOSE
Kouji BANNO

12-31-02

2. Name and Address of receiving party:

FUJITSU LIMITED
1-1, Kamikodanaka, 4-chome
Nakahara-ku, Kawasaki-shi
Kanagawa 211-8588 Japan

3. Nature of conveyance:

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

Execution Dates: October 23, 2002; October 24, 2002; October 25, 2002

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

10,331,513

☒ This document is being filed together with a new application:

(a) The execution dates of the application are: October 23, 2002; October 24, 2002; October 25,

2002

(b) The title is: METHOD, APPARATUS AND PROGRAM PRODUCT FOR AUTOMATIC
PLACEMENT AND ROUTING OF INTEGRATED CIRCUIT

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

STAAS & HALSEY LLP
Attention: David M. Pitcher
700 Eleventh Street, N.W., Suite 500
Washington, D.C. 20001

Our Docket: 1093.1056

6. Total number of applications and patents involved: 1

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

☒ Enclosed
☐ Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

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.

David M. Pitcher, Reg. No. 25,908
Name of Person Signing

David M. Pitcher
Signature

December 31, 2002
Date

Total number of pages including cover sheet: 2

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PATENT
REEL: 013620 FRAME: 0701

U.S. ASSIGNMENT

3&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

FUJITSU LIMITED

1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

METHOD, APPARATUS AND PROGRAM PRODUCT FOR AUTOMATIC PLACEMENT AND ROUTING OF INTEGRATED CIRCUIT

relating to International Patent Application PCT/JP _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____ (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. _____

Any registered attorney of STAA & HALSEY LLP, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) <u>Kenichi Ushiyama</u> Kenichi Ushiyama	<u>Oct. 23, 2002</u>	<u>Yasuko Seki</u> Yasuko Seki
2) <u>Shigenori Ichimose</u> Shigenori Ichimose	<u>Oct. 24, 2002</u>	<u>Yasuko Seki</u> Yasuko Seki
3) <u>坂野 幸司</u> Kouji Banno	<u>Oct. 25, 2002</u>	<u>Yasuko Seki</u> Yasuko Seki