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Attorney Docket No. 4041P-000003

Form PTO-158
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RECORDAT

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06-04-2002

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

To the Honorable Commissioner of Patents and

102109678

documents or copy thereof.

1. Name of conveying party(ies) 5-28-02
Junichi Nagata
Akio Kojima

2. Name and address of receiving party(ies)

Name: DENSO CORPORATION

Address: 1-1, Showa-cho

Kariya-city, Aichi-pref.

448-8661 Japan

Street Address: _____

City: _____ State: _____ Zip: _____

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

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

3. Nature of conveyance:

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

Execution Date(s): November 28, 2001

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)

10/052 981

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: H. Keith Miller, Esq.

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: P.O. Box 828

City: Bloomfield Hills State: MI Zip: 48303

6. Total number of applications and/or patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No.08-0750. A duplicate copy of this sheet is enclosed.

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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.

H. Keith Miller
Name of Person Signing

Signature

5/13/02
Date

Total number of pages including cover sheet, attachments, and documents: 3

06/03/2002 DBYRHE 00000095 100529 Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

01 FC:581

40.00 OP

PATENT
REEL: 012939 FRAME: 0266

ASSIGNMENT

Atty. Docket No. 4041P-000003

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

OUTPUT CIRCUIT

for which Assignor is about to make or has made United States or International application for patent

- (a) executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) executed on November 28, 2001; or
- (c) filed on Nov. 8, 2001, and assigned Serial No. 10/052,981 or PCT International Application No. _____;
- (d) U.S. Patent No. _____, issued _____; and

WHEREAS,

DENSO CORPORATION of 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-0029 Japan,

hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes and requests my attorney to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

ASSIGNMENT

Junichi Nagata

First inventor
Junichi Nagata

November 28, 2001

Date

Akio Kojima

Second joint inventor, if any
Akio Kojima

November 28, 2001

Date