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U.S. Department of COMMERCE  
United States Patent and Trademark Office



103467304

HDP Docket No. 4041P-000087  
Express Mail Label No.

To the Director of the U.S. Patents and Trademark Office, please record the attached documents or the new address(es) below.

12.3.07

**Name of conveying parties & Execution Dates:**

Koichiro Suzuki      October 5, 2007

Chiharu Yamano      October 5, 2007

Kazuma Natsume      October 10, 2007

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

Name: DENSO Corporation

Address: 1-1, Showa-cho  
Kariya-city, Aichi-pref.  
Japan 448-8661

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

**3. Nature of conveyance:**

Assignment                       Merger

Security Agreement               Change of Name

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other \_\_\_\_\_

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

**4. Application number(s) or patent number(s):**  This document is being filed together with a new application.

A. Patent Application No.(s)  
11/973,363

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

Phone Number : 248-641-1600

Fax Number: 248-641-0270

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41)**      \$ 40.00

Authorized to be charged by credit card

Authorized to be charged to deposit account

Enclosed

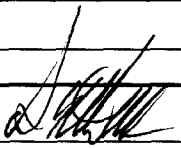
None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card      Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 08-0750

Authorized User Name H. Keith Miller, Esq.

**9. Signature :** 

Signature  
H. Keith Miller, Esq., Reg. No. 22,484

Name of Person Signing

12/07/2007 RECEIVED 11/973,363  
December 3, 2007      40.00 US

01 FC:8021      Date

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

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EM 061 814 193 US

PATENT  
REEL: 020232 FRAME: 0973

# ASSIGNMENT

Atty. Docket No. 4041P-000087

The undersigned, hereinafter referred to collectively as Assignor, has an interest in the invention entitled:

TARGET DETECTING APPARATUS USING ELECTRONICALLY AGILE RADAR

which is the subject of a 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 October 5 and 10, 2007;
- (c)  filed on October 5, 2007, and assigned Serial No. \_\_\_\_\_ or PCT International Application No. \_\_\_\_\_;
- (d)  U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_, and  presently assigned as evidenced at Reel \_\_\_\_\_, Frame \_\_\_\_\_; or
- (e)  entitled above and naming the undersigned inventors in this provisional patent application; and

**DENSO CORPORATION** of 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-8661 Japan, hereinafter referred to as Assignee, is desirous of acquiring Assignor's 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 an attorney authorized to prosecute this patent application to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

ASSIGNMENT

Koichiro Suzuki  
First Inventor or Assignor  
Koichiro Suzuki

Yasutaka Yamachi  
Witness

October 5, 2007  
Date

Chiharu Yamano  
Second Joint Inventor or Assignor  
Chiharu Yamano

Zakeshi Matsui  
Witness

October 5, 2007  
Date

ASSIGNMENT

Kazuma Natsume

Third Joint Inventor or Assignor  
Kazuma Natsume

Yutaka Aoki

Witness

October 10, 2007

Date