

05-07-2001

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

101703587

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- New
- Resubmission (Non-Recordation)
- Document ID #
- Correction of PTO Error
- Reel #  Frame #
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Conveyance Type

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

U.S. Government

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- Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Ryo Kobayashi

Execution Date  
Month Day Year  
04 25 2001

Name (line 2)

Second Party

Name (line 1) Yasushi Yamanaka

Execution Date  
Month Day Year  
04 25 2001

Name (line 2)

09/845010

Receiving Party

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Name (line 1) DENSO CORPORATION

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Address (line 1) 1-1, Showa-cho

Address (line 2)

Address (line 3) Kariya-city

Aichi-pref., Japan

448-8661

City

State/Country

Zip Code

Domestic Representative Name and Address

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Name

Address (line 1)

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REEL: 011754 FRAME: 0315

986 U.S. PTO  
 09/845010  
 04/27/01

**Correspondent Name and Address**

Area Code and Telephone Number

248-641-1600

Name H. Keith Miller, Esq.

Address (line 1) Harness, Dickey & Pierce, P.L.C.

Address (line 2) P.O. Box 828

Address (line 3) Bloomfield Hills, MI 48303

Address (line 4) \_\_\_\_\_

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments

# 2

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
04 27 2001

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number as not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40

Method of Payment:

Enclosed

Deposit Account

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 08-0750

Authorization to charge additional fees:

Yes

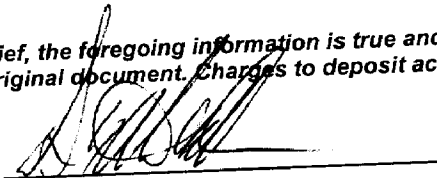
No

**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. Charges to deposit account are authorized, as indicated herein.

H. Keith Miller, Esq.

Name of Person Signing



Signature

April 27, 2001

Date

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Grid of 5 input boxes for Patent Number(s)

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**ASSIGNMENT BY INVENTORS**

Yoshiaki Takano  
Inventor 7: Yoshiaki Takano

April 26.2001  
Date

Keisuke Nagai  
Witness

Toshitaka Shimizu  
Inventor 8: Toshitaka Shimizu

April 25.2001  
Date

Keisuke Nagai  
Witness

\_\_\_\_\_  
Inventor 9:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Inventor 10:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness