

Atty Docket No.: 223765US3X/moc



12-05-2002



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*Coll*

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Hideki MIYATA, Akira HOSHINO, Hideo TOMOMATSU,  
Masashi HORI, Hiromichi YAMAZAKI and Hitoshi TANAKA

2. Name and address of receiving party(ies):  
Name: (1) Toyota Jidosha Kabushiki Kaisha  
(2) Nippon Soken, Inc.  
(3) Denso Corporation

Address: (1) 1, Toyota-cho, Toyota-shi, Aichi-ken  
471-8571, Japan  
(2) 14, Iwaya, Shimohasumi-cho, Nishio-  
shi,  
Aichi 445-0012, Japan  
(3) 1-1, Showa-cho, Kariya-city, Aichi-pref  
448-8661, Japan

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

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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)  
10/231,005

B. Patent No.(s)

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**22850**

Tel. (703) 413-3000  
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*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.*

C. Irvin McClelland

Name of Person Signing

Registration Number: 21,124

*Joseph A. Scafetta, Jr.*  
Signature

Joseph A. Scafetta, Jr.  
Registration No. 26,803

*Nov. 27, 2002*  
Date

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**PATENT**  
**REEL: 013554 FRAME: 0248**



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Atty Docket No.: 223765US33X

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1. Name of conveying party(ies):

1) Hideki MIYATA 2) Akira HOSHINO 3) Hideo TOMOMATSU 4) Masashi HORI 5) Hiromichi YAMAZAKI 6) Hitoshi TANAKA

8/30/02

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

3. Nature of Conveyance:

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- Security Agreement  Change of Name
- Other

Execution Date: 07-25-02

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

Name: 1) TOYOTA JIDOSHA KABUSHIKI KAISHA 2) NIPPON SOKEN, INC. 3) DENSO CORPORATION  
Address: 1) 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, JAPAN

2) 14, Iwaya, Shimohasumi-cho, Nishio-shi, Aichi, 445-0012, JAPAN

3) 1-1, Showa-cho, Kariya-shi, Aichi 448-8661, JAPAN

Additional name(s) and address(es) attached?  Yes  No

10/23/05  
10/23/05  
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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: 07-25-02

A. Patent Application No.(s)

10231005

B. Patent No.(s)

Additional numbers attached?  Yes  No

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6. Total applications and patents involved: 1

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Robert T. Pous

Name of Person Signing

*[Signature]*

Signature

8/30/02

Date

Registration Number: 29,099

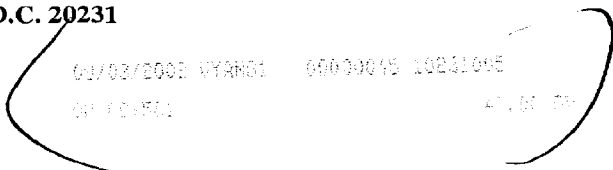
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PATENT  
REEL: 013554 FRAME: 0249

# Assignment Of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESSES OF  
THE INVENTORS:

WHEREAS, I (WE) Hideki MIYATA, Akira HOSHINO, Hideo TOMOMATSU,  
Masashi HORI, Hironichi YAMAZAKI and Hitoshi TANAKA of Okazaki-shi,  
Aichi-ken, Japan, Nishikamo-gun, Aichi-ken, Japan, Nagoya-shi, Aichi-ken,  
Japan, 25-1, Nishinagane, Sakazaki, Kouta-cho, Nukata-gun, Aichi-ken,  
Japan, 15-3, Barba, Nishihazu, Hazu-cho, Hazu-gun, Aichi-ken, Japan and  
Nagoya-shi, Aichi-ken, Japan

\_\_\_\_\_, respectively,

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: METHOD AND APPARATUS FOR  
CONTROLLING SYNCHRONOUS MOTOR

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on \_\_\_\_\_

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE:

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, NIPPON SOKEN, INC. and  
DENSO CORPORATION

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1, Toyota-cho,  
Toyota-shi, Aichi-ken, 471-8571, Japan, 14, Iwaya, Shimohasumi-cho,  
Nishio-shi, AICHI 445-0012 JAPAN, and 1-1 SHOWA-CHO KARIYA-CITY AICHI-PREF  
448-8661 JAPAN

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: July 25, 2002 \_\_\_\_\_  
 (Signature of Inventor) *Hideki Miyata*  
 Hideki MIYATA

Date: July 25, 2002 \_\_\_\_\_  
 (Signature of Inventor) *Akira Hoshino*  
 Akira HOSHINO

Date: July 25, 2002 \_\_\_\_\_  
 (Signature of Inventor) *Hideo Tomomatsu*  
 Hideo TOMOMATSU

Date: July 25, 2002 \_\_\_\_\_  
 (Signature of Inventor) *Masashi Horii*  
 Masashi HORI

Date: July 25, 2002 \_\_\_\_\_  
 (Signature of Inventor) *Hironichi Yamazaki*  
 Hironichi YAMAZAKI

Date: July 25, 2002 \_\_\_\_\_  
 (Signature of Inventor) *Hitoshi Tanaka*  
 Hitoshi TANAKA

Date: \_\_\_\_\_  
 (Signature of Inventor) \_\_\_\_\_

Date: \_\_\_\_\_  
 (Signature of Inventor) \_\_\_\_\_

Date: \_\_\_\_\_  
 (Signature of Inventor) \_\_\_\_\_

Date: \_\_\_\_\_  
 (Signature of Inventor) \_\_\_\_\_

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
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