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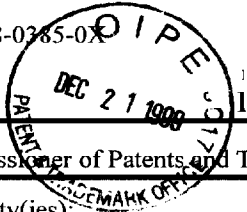
Atty Docket No.: 0068-0385-0X

FORM PTO-1595  
1-31-92



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U.S. DEPARTMENT OF COMMERCE  
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1. Name of conveying party(ies):  
Atsuto OKAMOTO, Naohiro SUGIYAMA, Toshihiko TANI,  
Nobuo KAMIYA, Hiroaki WAKAYAMA, Yoshiaki  
FUKUSHIMA, Kazukuni HARA, Fusao HIROSE, Shoichi  
ONDA, Kunihiko HARA, Takashi ONODA, Haruyoshi  
KURIYAMA and Takeshi HASEGAWA

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

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
November 5, 1999, November 8, 1999,  
November 5, 1999, November 5, 1999,  
November 9, 1999, November 8, 1999,  
November 16, 1999, November 16,  
1999, November 16, 1999, November  
17, 1999, November 5, 1999,  
November 16, 1999, November 16,  
1999

Execution Date: 1999

2. Name and address of receiving party(ies):  
Name: 1. Kabushiki Kaisha Toyota Chuo  
Kenkyusho  
2. Denso Corporation  
Address: 1. 41-1, Aza Yokomichi, Oaza Nagakute,  
Nagakute-cho, Aichi-gun, Aichi-ken,  
480-1192 JAPAN  
2. 1-1, Showa-cho, Kariya-city, Aichi-pref.,  
448-8661 JAPAN

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

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)  
09/318,646

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

OBLON, SPIVAK, McCLELLAND, MAIER &  
NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 15-0030  
(Attach duplicate copy of this page if paying by deposit account)

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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.

Norman F. Oblon

Name of Person Signing

Registration Number: 24,618

Signature  
Thomas A. Blinka  
Registration No. 44,541

12/20/99

Date

Total number of pages including this cover sheet: 4

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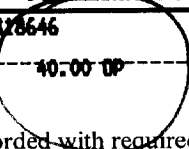
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PATENT  
REEL: 010476 FRAME: 0530



# Assignment Of Application

WHEREAS, I (WE) Atsuto OKAMOTO, Naohiro SUGIYAMA, Toshihiko TANI,  
Nobuo KAMIYA, Hiroaki WAKAYAMA, and Yoshiaki FUKUSHIMA all of  
c/o KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO, 41-1, Aza Yokomichi, Oaza  
Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192 Japan; and  
Kazukuni HARA, Fusao HIROSE, Shoichi ONDA, Kunihiko HARA, Takashi ONODA,  
Haruyoshi KURIYAMA, and Takeshi HASEGAWA all of  
c/o DENSO CORPORATION, 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661  
Japan

INSERT NAMES AND RESIDENCE ADDRESSES OF THE INVENTORS:

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

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: METHOD OF MANUFACTURING SILICON  
CARBIDE SINGLE CRYSTAL AND SILICON CARBIDE SINGLE CRYSTAL MANUFACTURED  
BY THE SAME

INSERT DATE INVENTORS SIGNED DECLARATION:

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

(Application No. 09/318,646, filed May 26, 1999), and

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE:

WHEREAS, <sup>(1)</sup>KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO and <sup>(2)</sup>DENSO CORPORATION

(hereinafter referred to as "ASSIGNEE") having a place of business at: (1) 41-1, Aza Yokomichi,  
Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192 Japan  
(2) 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

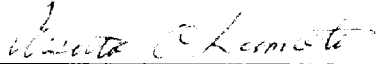
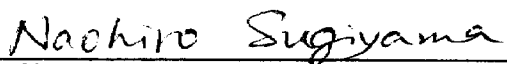
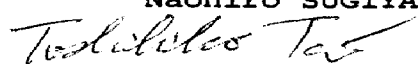

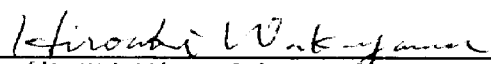
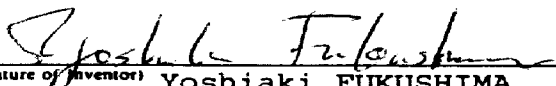
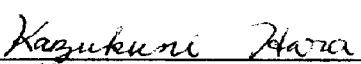
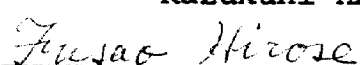
is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

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: <u>Nov. 5, 1999</u>	<u></u> (Signature of Inventor) Atsuto OKAMOTO
Date: <u>Nov. 8, 1999</u>	<u></u> (Signature of Inventor) Naohiro SUGIYAMA
Date: <u>Nov. 5, 1999</u>	<u></u> (Signature of Inventor) Toshihiko TANI
Date: <u>Nov. 5, 1999</u>	<u></u> (Signature of Inventor) Nobuo KAMIYA
Date: <u>Nov. 9, 1999</u>	<u></u> (Signature of Inventor) Hiroaki WAKAYAMA
Date: <u>Nov. 8, 1999</u>	<u></u> (Signature of Inventor) Yoshiaki FUKUSHIMA
Date: <u>Nov. 10, 1999</u>	<u></u> (Signature of Inventor) Kazukuni HARA
Date: <u>Nov. 16, 1999</u>	<u></u> (Signature of Inventor) Fusao HIROSE

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202

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.

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Date: Nov. 16, 1999

Shoichi Onda  
(Signature of Inventor) Shoichi ONDA

Date: Nov. 17, 1999

Kunihiko Hara  
(Signature of Inventor) Kunihiko HARA

Date: Nov. 5, 1999

Takashi Onoda  
(Signature of Inventor) Takashi ONODA

Date: Nov. 16, 1999

Haruyoshi Kuriyama  
(Signature of Inventor) Haruyoshi KURIYAMA

Date: Nov. 16, 1999

Takeshi Hasegawa  
(Signature of Inventor) Takeshi HASEGAWA

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

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