

1.14.01 RE

06-07-2001



To The Honorable Commissioner of Patents
thereof.

Attached original documents or copy

101741514

1. Name of conveying party(ies):
**Masami Niwa, Shigeru Suzuki, Hidefumi Mori and
Tatsuyuki Hoshino**

Additional name(s) of conveying party(ies)
attached? () YES (X) NO

3. Nature of Conveyance:
(X) Assignment () Merger
() Security Agreement
() Change of Name
() Other:

Execution Date(s): November 1, 2000

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

Name: **Kabushiki Kaisha Toyoda Jidoshokki Seisakusho**

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Country: **Japan**

ZIP: **448-8671**

Additional name(s) & address attached? () YES (X) 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)

09/674,538

B. Patent No.(s)

Additional numbers attached? () YES (X) NO

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

Name: **Michael P. Dunnam**
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6. Total number of applications and patents involved: 1

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

(X) 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.

Michael P. Dunnam/32,611

Name of Person Signing/Reg. No.

TALW-0156

Signature

January 16, 2001

Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks
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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

KABUSHIKI KAISHA TOYODA JIDOSHOKKI SEISAKUSHO

2-1, Toyoda-cho, Kariya-shi, Aichi-ken, 448-8671, Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

HEAT GENERATOR FOR VEHICLE

relating to International Patent Application PCT/JP 00 / 00259 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date
of execution
of application,
if not
concurrent)

(a) executed on November 1, 2000 ;

(b) filed on November 2, 2000 ,
Serial No. 09 / 674,538 ;

(Woodcock Washburn Kurtz Mackiewicz &
Norris LLP
Philadelphia) is hereby authorized to insert in (b) the specified
data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) <u>Masami Niwa</u> (SIGNATURE)	<u>Masami Niwa</u> (TYPE NAME)	<u>November 1, 2000</u> (DATE)
2) <u>Shigeru Suzuki</u> (SIGNATURE)	<u>Shigeru Suzuki</u> (TYPE NAME)	<u>November 1, 2000</u> (DATE)
3) <u>Hidefumi Mori</u> (SIGNATURE)	<u>Hidefumi Mori</u> (TYPE NAME)	<u>November 1, 2000</u> (DATE)
4) <u>Tatsuyuki Hoshino</u> (SIGNATURE)	<u>Tatsuyuki Hoshino</u> (TYPE NAME)	<u>November 1, 2000</u> (DATE)
5) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

PATENT

RECORDED: 01/16/2001

REEL: 011856 FRAME: 0085