

Atty Docket No.: 212970US0/mmc

FORM PTO-1595
1-31-92

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Kazuto KOBAYASHI, Masaki IJIMA, and Kazuhiro MORITA

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Name: MITSUBISHI HEAVY INDUSTRIES, LTD.

Address: 5-1, Marunouchi 2-chome, Chiyoda-ku,
Tokyo, Japan

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

3. Nature of conveyance:

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Reel/Frame 012102/0511, Bar Code Number *101824963A*,
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Execution Date: August 7, 8, and 8, 2001

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09/931,095

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1. Name of conveying party(ies): 8/17/01
Kazuto KABAYASHI, Masaki IJIMA, and Kazuhiro MORITA

2. Name and address of receiving party(ies):
Name: MITSUBISHI HEAVY INDUSTRIES, LTD.
Address: 5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

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: August 7, 8, and 8, 2001

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: August 7, 8, and 8, 2001

A. Patent Application No.(s)

B. Patent No.(s) 09/931095

Additional numbers attached? Yes No

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6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
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09/931095
08/17/01

A S S I G N M E N T

In consideration of value received, I, having a residence and mailing address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

METHOD OF MANUFACTURING METHANOL

said application having been filed on _____
and assigned Application No. _____ ;
sell and assign to _____
MITSUBISHI HEAVY INDUSTRIES, LTD.
a corporation of Japan, having a business address at
5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

executed concurrently herewith:

executed separately herefrom:

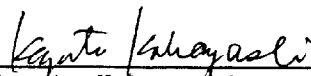
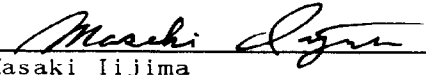
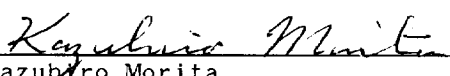
and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U. S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, P. C., Fourth Floor, 1755
Jefferson Davis Highway, Arlington, Virginia 22202

ASSIGNMENT

01S0761-1

Inventor: (Signature)	Date	Residence and mailing address
 Kazuto Kobayashi	August 7, 2001	c/o MITSUBISHI HEAVY INDUSTRIES. LTD. 5-1. Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan
 Masaki Iijima	August 8, 2001	c/o MITSUBISHI HEAVY INDUSTRIES. LTD. 5-1. Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan
 Kazuhiro Morita	August 8, 2001	c/o MITSUBISHI HEAVY INDUSTRIES. LTD. 5-1. Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

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