Washington, D.C. 20231	FORM PTO-1595 (modified)	03-21-2	001	HEET		MENT OF COMMERCE
IN Name of conveying party(ies):  1. Name of conveying party(ies):  (1) Masaki IJIMA; (2) Kazuto KOBAYASHI; (3) Kazuhiro MORITA  Addicinal namela) of conveying party(ies) attached? No  3. Nature of conveyance:  X. Assignment — Security Agreement — Change of Name — Security Agreement — Change of Name — Execution Date: February 21, 2001  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: February 21, 2001  A. Patent Application No.(s)  B. Patent No.(s)  J. Warne and address of party to whom correspondence concerning document should be mailed:  Name: WENDEROTH, LIND & PONACK, L.L.P., Attn: Matthew Jacob, Esq.  Street Address: 2033 K Street, N.W., Suite 800  City: Washington, State: DC ZIP: 20008  Do Not USE THIS SPACE  Do Not USE THIS SPACE  Date  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.  Matthew Jacob, Rea, No. 25,154 Name of Person Signing  Date  To the Dest of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Matthew Jacob, Rea, No. 25,154 Name of Person Signing  To the Dest of my knowledge with required cover sheet information:  Commissioner and Assistant Secretary of Perants and Trademarks  Box Assignments  Box Assignm					Patent	and Trademark Office
(1) Masaki IIJIMA; (2) Kazuto KOBAYASHI; (3) Kazuhiro MORITA  Additional name(e) of conveyance:  X. Assignment	·	1016420	51	Please record	the attached origi	nal document(s)
(3) Kazuhiro MORITA  Additional nametel of conveying partyties) attached? No  3. Nature of conveyange:  X. Assignment	1. Name of conveying party(ies):		2. Name an	d address of re	ceiving party(ie:	s):
Additional numbers attached? No  Security Agreement		SHI; 3/09/	71			
Additional namels) & address(es) attached? No Additional namels) & address(es) attached? No Execution Date: February 21, 2001  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: February 21, 2001  A. Patent Application No.(s)  Additional numbers attached? No Additional number of applications and patents involved: 1 Concerning document should be mailed:  Name: WENDEROTH, LIND & PONACK, L.L.P. Attn: Matthew Jacob , Esq.  Street Address: 2033 K Street, N.W., Suite 800 X Enclosed (Check No. Additional number: 23-0975 X Enclosed (Check No. Additional number: 23		No , , , ,		<u>o 1, 141</u>		
If this document is being filed together with a new application, the execution date of the application is: February 21, 2001  A. Patent Application No.(s)  B. Patent No.(s)  Additional numbers attached? No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: WENDEROTH, LIND & PONACK, L.L.P. Attn: Matthew Jacob , Esq.  Street Address: 2033 K Street, N.W., Suite 800  City: Washington, State: DC ZIP: 20006  DO NOT USE THIS SPACE  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.  Matthew Jacob , Reg. No. 25.154 Name of Person Signing  Total number of pages including cover sheet: 3  OMB No. 0651-0011 (exp. 4/94)  Do not detach this portion  Mail documents to be recorded with required cover sheet information:  Commissionar and Assistant Secretary of Patents and Trademarks Box Assignments  Box Assi	X Assignment Merg Security Agreement Char Other				<u>JAPAN</u>	09/801718 09/801718 03/09/01
Additional numbers attached? No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: WENDEROTH, LIND & PONACK, L.L.P. Attn: Marthew Jacob, Esq.  Street Address: 2033 K Street, N.W., Suite 800 City: Washington, State: DC ZIP: 20006  DO NOT USE THIS SPACE  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.  Marthew Jacob, Rep. No. 25.154 Name of Person Signing  March 9, 2001  Do not detach this portion  Mail documents to be recorded with required cover sheet information:  Commissioner and Assistant Secretary of Patents and Trademarks Box Assignments Box Box Box Box Box Box B	4. Application number(s) or patent number	(s):				ř –
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: WENDEROTH, LIND & PONACK, L.L.P. Attn: Matthew Jacob, Esq.  Street Address: 2033 K Street, N.W., Suite 800  City: Washington, State: DC ZIP: 20006  Do NOT USE THIS SPACE  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.  Matthew Jacob, Reg. No. 25,154 Name of Person Signing  March 9, 2001 Do not detach this portion  Mail documents to be recorded with required cover sheet information:  Commissioner and Assistant Secretary of Patents and Trademarks  Box Assignments  Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the dotan needed, and completing and reviewing the sample cover sheet. Secondments regarding this burden estimate to the U.S. Patent and Trademark Reduction Project (0651-0011), Washington, D.C. 2053.	<u>2001</u>	h a new application		^		
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City: Washington, State: DC ZIP: 20006  B. Deposit account number: 23-0975  (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  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.  Matthew Jacob , Reg. No. 25,154 Name of Person Signing  March 9, 2001 Date  Total number of pages including cover sheet: 3  OMB No. 0651-0011 (exp. 4/94)  Do not detach this portion  Mail documents to be recorded with required cover sheet information:  Commissioner and Assistant Secretary of Patents and Trademarks Box Assignments Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.	Attn: Matthew Jacob , Esq.		$\underline{X}$ Enclosed (Check No. $\frac{13990}{2}$ )			
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Commissioner and Assistant Secretary of Patents and Trademarks 03/12/2001 NGEDRENI 0000031 09801718  Box Assignments Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.	OMB No. 0651-0011 (exp. 4/94)			rtai number or p	Jages including	cover sneet: 3
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Docket No. 2001-0270A	time for reviewing the document and gathering to comments regarding this burden estimate to the Washington, D.C. 20231, and the Office of Mar	he data needed, and o U.S. Patent and Trad	completing and emark Office,	I reviewing the sa Office of Informa	ample cover shee ation Systems, PK	t. Send 2-1000C,
					Docket	No. 2001-0270A

PATENT REEL: 011588 FRAME: 0824

## ASSIGNMENT

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 SYNTHESIS GAS

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 Assignce, 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, reissuc, 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 invension 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.

Wenderoth, Lind & Ponack, 2033 "K" Street, N.W., Suite 800, Washington, D.C. 20006

PATENT REEL: 011588 FRAME: 0825

## ASSIGNMENT

Inventor: (Signature)	Date	Residence and mailing address
Masaki Iijima	February 21, 2001	c∕o MITSUBISHI HEAVY INDUSTRIES, LTD. 5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan
<u>Kantu Kolog aslv</u> Kazuto Kobayashi	February 21, 2001	c/o MITSUBISHI HEAVY INDUSTRIES, LTD. 5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan
Kazuli in Manter Kazuldro Morita	February 21, 2001	c/o MITSUBISHI HEAVY INDUSTRIES, LTD. 5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan
	And the second s	

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