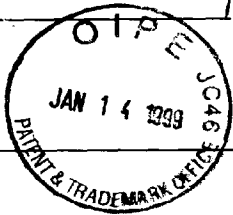


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PATENTS ONLYAttorney Docket Number  
7419-0020

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1. Name of conveying party(ies):

Yohei FUKUOKA, Keizo TOMOKUNI and  
Hitoshi NAKAJIMAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: January 11, 1999

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

Name: (1) ASAHI KASEI KOGYO KABUSHIKI  
KAISHA, and (2) THE NOGUCHI INSTITUTEAddress: (1) 2-6, Dojimahama 1-chome, Kita-ku,  
Osaka-shi, Osaka 530; and (2) 8-1, Kaga 1-chome,  
Itabashi-ku, Tokyo 173Country (if other than USA): (1) JAPAN; and (2) JAPAN

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: January 11, 1999A. Patent Application No.(s) filed herewith

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
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1155 Avenue of the Americas  
New York, NY 100366. Number of applications  
and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40  
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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.*Charles E. Miller 24,576

Name of Person Signing Reg. No.

Signature

January 14, 1999

Date

Total number of pages including cover sheet:

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## ASSIGNMENT

WHEREAS, WE, Yohei FUKUOKA, Keizo TOMOKUNI and Hitoshi NAKAJIMA

ASSIGNORS, citizens of Japan, residing at 3-59, Kashiwa-cho 4-chome, Shiki-shi, Saitama 353 Japan,  
8-7-402, Tsurugaoka 4-chome, Ooi-machi, Iruma-gun, Saitama 356 Japan and 2950-25,  
Kawashima-cho, Asahi-ku, Yokohama-shi, Kanagawa 241 Japan, repectively

are the inventors of the invention in METHOD FOR PRODUCING HYDROGEN-CONTAINING GAS FOR FUEL CELL

for which we have executed an application for a Patent of the United States

☒ on even date herewith and/or which is identified by Pennie & Edmonds docket no. \_\_\_\_\_  
☐ which was filed on \_\_\_\_\_, Serial No. \_\_\_\_\_

and WHEREAS, 1. ASAHI KASEI KOGYO KABUSHIKI KAISHA  
2. THE NOGUCHI INSTITUTE

whose address is 1. 2-6, Dojimahama 1-chome, Kita-ku, Osaka-shi, Osaka 530 Japan  
2. 8-1, Kaga 1-chome, Itabashi-ku, Tokyo 173 Japan

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States to issue any and all patents and other evidence or forms of industrial property protection on applications as aforesaid, to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set below our respective signatures.

*Yohei Fukuoka*

L.S.  
 [Name] Yohei FUKUOKA

Signed and sworn to before me  
 this \_\_\_\_ day of \_\_\_\_\_, 199\_\_

January 11, 1999

[Date]

[Notary Public or U.S. Diplomatic or Consular Official]

[continued on page 2]

Keizo Tomokuni L.S.  
[Name] Keizo TOMOKUNI

Signed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 199\_

January 11, 1999

[Date]

[Notary Public or U.S. Diplomatic or Consular Official]

Hitoshi Nakajima L.S.  
[Name] Hitoshi NAKAJIMA

Signed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 199\_

January 11, 1999

[Date]

[Notary Public or U.S. Diplomatic or Consular Official]

\_\_\_\_ L.S.  
[Name]

Signed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 199\_

\_\_\_\_  
[Date]

[Notary Public or U.S. Diplomatic or Consular Official]

\_\_\_\_ L.S.  
[Name]

Signed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 199\_

\_\_\_\_  
[Date]

[Notary Public or U.S. Diplomatic or Consular Official]

\_\_\_\_ L.S.  
[Name]

Signed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 199\_

\_\_\_\_  
[Date]

[Notary Public or U.S. Diplomatic or Consular Official]