

U.S. DEPARTMENT OF COMMERCE

FORM PTO-1595 1-31-92

DOCKET NO. IPA-027

To the Honorable Commission.

103527559

.tached original documents or copy thereto:

Name of conveying party(ies):	2. Name and address of receiving party(ies):	
1. Keisuke OHTSUKA	Name:	JGC CATALYSTS and CHEMICALS LTD.
2. Yoshifumi MIYANO	Street Address:	580 Horikawa-cho, Saiwai-ku,
3. Hirokazu TANAKA	City:	Kawasaki-shi,
(Deceased signed by Eiko TANAKA)	State:	Kanagawa,
	Zip:	
3. Nature of conveyance:	Country:	Japan
☑ Assignment ☐ Merger	ļ	
☐ Security Agreement ☐ Change of Name	}	
□ Other		
Execution Date: September 10, 2008	Additional name(s)	& address(es) attached? 🗖 Yes 🖾 No
4. Application number(s) or patent number(s):		
If the document is being filed together with a new application, the	e execution date of th	e application is: 09/10/2008
A. Patent Application No(s).	B. Patent No(s).	
New Application - Not yet assigned		
Additional numbers attached? Yes No		
5. Name and address of party to whom correspondence	6. Total number	of applications and patents involved: one
concerning document should be mailed:	7. Total fee (37 0	CFR 3.41) \$40.00
Name:	☐ Enclosed	
KANESAKA BERNER & PARTNERS	☐ Authorized to be charged to deposit account	
Internal Address:	☑ Credit Card payment form enclosed	
Street Address: 1700 Diagonal Road, Suite 310	8. Deposit accou	nt number: 11-0219
City: Alexandria State: VA Zip: 22314		
DO NOT USE THIS SPACE		
9. Signature.		
Manabu KANESAKA, 31,467	alu Kan	September 25, 2008
Name of Person, Registration No.	Signature	Date
Total number of pages including cover sheet, attachment, and document:		
CMB No. 0851-0011 (exp. 4/94)		
Kindly use the attorneys' address associated with the following Customer Number for future correspondence.		

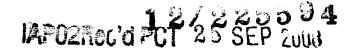
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40.00 DF

PATENT REEL: 021621 FRAME: 0201



ASSIGNMENT

For value received, I/we,

Keisuke OHTSUKA and Yoshifumi MIYANO

each having post office address at

c/o Kitakyushu Office, JGC Catalysts and Chemicals Ltd.,

13-2, Kitaminato-machi, Wakamatsu-ku, Kitakyushu-shi, Fukuoka, Japan

hereby sell, assign and transfer to

JGC Catalysts and Chemicals Ltd.

a corporation existing under the laws of Japan located at

580 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, Japan

and its successors, assigns, and legal representatives the entire right, title, and interest for all countries including the United States of America, in and to certain inventions relating to

described in application for Letters Patent of the United States, and

PCT/JP2007/ 53430 Filed February 23, 2007

and all patents which may be granted therefore, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue all patents on said improvements or resulting therefrom to said Company as assignee of the entire interest, and covenant that I/We have full right so to do, and agree that I/We will communicate to said Company or its representatives any facts known to me/us respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees, to obtain and enforce proper protection for said invention in the United States.

Signature Keisuke Ohtsuka
Keisuke OHTSUKA

Date Sep. 10, 2008

Signature Yoshifumi MIYANO
Yoshifumi MIYANO

Date Sep. 10,2008

Page 1 of 1

PATENT REEL: 021621 FRAME: 0202

ASSIGNMENT

For value received, I/We,Eiko Tanaka, the heir of the estate of Hirokazu
Tanaka as shown in a copy of the declaration attached herewith
residing address at 10-3, Takasuhigashi 3-chome, Wakamatsu-ku,
Kitakyushu-shi, Fukuoka, Japan
hereby sell, assign and transfer toJGC Catalysts and Chemicals Ltd.
a corporation existing under the laws of <u>Japan</u>
located at580 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, Japan
and its successors, assigns, and legal representatives the entire right,
title, and interest for all countries including the United States of America
in and to certain inventions relating to
described in application for Letters Patent of the United States, and PCT/JP2007/53430 Filed February 23, 2007
and all patents which may be granted therefor, and all divisions, reissues,
continuations and extensions thereof, and authorize and request the
Commissioner of Patents and Trademarks to issue all patents on said
improvements or resulting therefrom to said Company as assignee of the
entire interest, and covenant that I/We have full right so to do, and agree
that I/We will communicate to said Company or its representatives any facts
known to me/us respecting said improvements and testify in any legal
proceedings, sign all lawful papers, execute all divisional, continuing
and reissue applications, make all rightful oaths and generally do
everything possible to aid said Company, its successors, assigns, and
nominees, to obtain and enforce proper protection for said invention in
the United States.
Signature <u>Fiko Tanaka</u> Date <u>Sep. 10. 2008</u>
Eiko Tanaka

RECORDED: 09/25/2008

PATENT REEL: 021621 FRAME: 0203