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Commissioner for Patents: Please record the attached original docum	nent(s) or copy(ies).	22
Name of conveying party(ies):	Name and address of receiving party(ies):	60
Masayoshi Kuwabara and Yasunori Okumura	Nippon Shokubai Co., Ltd. 1-1, Koraibashi 4-chome Chuo-ku, Osaka-shi Osaka 541-0043 Japan	Ţ
Additional name(s) attached? ☐ Yes ☒ No		
3. Nature of conveyance:		
 ☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other: ☑ Other:		
Execution Date: April 19, 2002	Additional names/addresses attached? ☐ Yes ② No	
4. Application number(s) or patent number(s):		
If this document is being filed with a new application, the execution	on date of the application is: April 19, 2002	
A. Patent Application No(s).:	B: Patent No(s).:	
10/133/58 Additional numbers		
Additional numbers	attached? ☐ Yes ᠖ No	
 Name/address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications/patents involved: 1	
Y. ROCKY TSAO	7. Total fee (37 CFR §3.41): \$40	
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Y. Rocky Tsao Reg. No. 34,053 Name of Person Signing Signature	hy 7 sax 4-26-02	
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Date of Deposit

PATENT

REEL: 012842 FRAME: 0455

ASSIGNMENT

For valuable consideration, we, Masayoshi KUWABARA of Ibaraki, Japan and Yasunori
OKUMURA of Ibaraki, Japan;
hereby assign to NIPPON SHOKUBAI CO., LTD., a Japanese corporation having a place of business at 1-1, Koraibashi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0043 Japan, and its successors and assigns
(collectively hereinafter called "the Assignee"), the entire right, title and interest, including, without
limitation, the right to sue for past infringement, throughout the world in the inventions and
improvements, which are subject of an application for United States Patent signed by us, entitled
HALOGEN-CONTAINING AROMATIC COMPOUND , filed April 26, 2002, and assigned
U.S. Serial Number, and we authorize and request the attorneys appointed in said
application to hereafter complete this assignment by inserting above the filing date and serial number of
said application when known; this assignment including said application, any and all United States and
foreign patents, utility models, and design registrations granted for any of said inventions or
improvements, and the right to claim priority based on the filing date of said application under the
International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the
European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to
apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors, cortificates for said inventions and improvements.
and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further
compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary
Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this
assignment.
IN WITNESS WHEREOF, I hereto set my hand and seal at Tsukuba-shi, Ibaraki, Japan this, day of, 2002
this $\frac{79 \text{ th}}{4}$ day of $\frac{Apri}{4}$, 2002
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<u>Masayoshi Kuwababa</u> L.S. Masayoshi KUWABARA
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<u>Masayoshi Kuwababa</u> L.S. Masayoshi KUWABARA
Masayoshi Kuwabaka L.S. Masayoshi KUWABARA L.S. Witness Kozo TAJIRI Masuda
Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Witness Kozo Tajiri Masuda Witness Go MASUDA
Masayoshi Kuwababa L.S. Masayoshi Kuwababa L.S. Witness Kozo Tajiri Go Masuda Witness Go Masuda IN WITNESS WHEREOF, I hereto set my hand and seal at
Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Mitness Witness Mozo Tajiri Go Masuda Witness Go Masuda IN WITNESS WHEREOF, I hereto set my hand and seal at 1
Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Mitness Witness Mozo Tajiri Go Masuda Witness Go Masuda IN WITNESS WHEREOF, I hereto set my hand and seal at 1
Masayoshi Kuwababa L.S. Masayoshi Kuwababa L.S. Koja Tajar Witness Kozo Tajiri Go Masuda Witness Go Masuda IN WITNESS WHEREOF, I hereto set my hand and seal at Tsukuba shi, Ibaraki, Japan this 19th day of April , 2002
Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Masayoshi Kuwabaka L.S. Mitness Witness Mozo Tajiri Go Masuda Witness Go Masuda IN WITNESS WHEREOF, I hereto set my hand and seal at 1
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Masayoshi Muwahala Masayoshi KUWABARA L.S. Masayoshi KUWABARA L.S. Masayoshi KUWABARA L.S. Masayoshi Kuwabala Kogo Tajiri Go Masuda Witness Go Masuda Witness Go Masuda Witness Go Masuda IN WITNESS WHEREOF, I hereto set my hand and seal at Jenkuba shi, Ibaraki, Japan this

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RECORDED: 04/26/2002

PATENT REEL: 012842 FRAME: 0456