Atty. Dkt. No. 084437-0160

		•				
FORM PTO-1595 (modified)	06-27-20	205		U.S. DEPARTMENT		
(Rev 6-93)	[(BM) AB) SHE AB BB AB AB AB AB AB A		SHEET		ent and Tradem	
9-14-04				10/50	11/2	51
To the Director of the United States Pat	1030288	57	attached origina	al documents or co	pies there	of.
Name of conveying party(ies):		2. Name and a	ddress of rec	eiving party(ies)	:	
			emical Indust	· ·		
Vanua CHOIVARAA		1	omachi 4-cho			
Yasuo SUGIYAMA Masatoshi HAZAMA		Usaka-siii,	Osaka 541-0	1049 Japan		
Norihisa IWAKAMI		The Circle	for the Promo	otion of Science	and	
		Engineering				
		2-12-1, Oc	okayama, Meg	guro-ku		
		Tokyo 152	2-85502 Japa	n		
Additional conveying party(ies)	NO					•
3. Nature of conveyance: ASSIGNMENT						
Execution Date:						
August 25, 2004		Additional name	e(s) & addres	s(es) attached?	NO	
4. Application number(s) or patent number	mber(s):	, raditional name	<u> </u>	otoo, attaonioa.		
• • • • • • • • • • • • • • • • • • • •						
If this is being filed together with a	new application, the	execution date	of the applica	ation is:		
Cantambar D. 2004						
September 9, 2004		1				
A. Patent Application Numbe	er(s):	B. Pate	ent Number(s):		
	, - ,			,		
	Additional number	ers attached? NC	<u>) </u>			
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number	er of applicati	ions/patents inv	olved:	1
concerning document should be ma	neu.	7. Total fee (3	7 C F R 8 3		\$40.0	^
Stephen B. Maebius		7. Total lee (3	7 C.F.N. 3 3.	41).	9 4 0.0	U
FOLEY & LARDNER LLP		X Check End	closed			
Washington Harbour		_				
3000 K Street, N.W., Suite 50		Charge to	deposit acco	unt		
Washington, D.C. 20007-514	·3	8. Deposit acc	ount number:	19-	0741	
	DO NOT USE	THIS SPACE				
						400
9. Statement and signature:						
To the best of my knowledge a	and belief, the forego	ing information i	is true and co.	rrect and any at	tached c	ору
is a true copy of the original document						
fees which may be required in this may	tter to the above-ider	ntified deposit af	coynt.			
	11). 1	Wa / 1/2/		C 4	hau 14	2004
Stephen B. Maebius	- ide No	<u>>Y, ∏</u> Signature		Septem	ber 14, Date	2004
Name of person signing	(Z)	Signature			Date	
	tal number of pages	includina cover s	sheet, attachr	ments, and docu	ıment:	3
IU	ta. Harribar or pages					

09/23/2004 SNAJARRO 00000140 10507731

04 FC:8021

40.00 DP

002.1262994.1

PATENT REEL: 016710 FRAME: 0151

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee Takeda Chemical Industries, Ltd. and The Circle for the Promotion of Science and Engineering of 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan and 2-12-1, Ookayama, Meguro-ku, Tokyo 152-8550 Japan, respectively

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

title of invention

VDAC REGULATOR

as set forth in this United States Patent Application

check one executed concurrently herewith

☐ executed on ______ Filed _____

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith:

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

-1-

Each of the undersigned hereby authorizes the firm of FOLEY & LARDNER to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS					
Name: Yasuo SUGIYAMA	Signature Classo Sugar gal	Date: Au 25,2004			
Name: Masatoshi HAZAMA	Signature: Misatos & Januar	Date: A-g- 25, 200			
Name: Norihisa IWAKAMI	Signature: Jasus Sugry and Signature: Maratos w & goran Signature: Montheson Junatani	Date: Aug. 25, 2005 Date: Aug. 25, 2005			
Name:	Signature:	Date:			
Name:	Signature:	Date:			
Name:	Signature:	Date:			
NAMES AND SIGNATURES OF WITNESSES					
Name: Mariko NAKAMICHI	Signature: mariko nakamichi	Date: Aug 25, 2004			
Name: Eisho SUGINO	Signature: Mariko Rakamichi Signature: Eishur Luginur	Date: Aug = 5, 2004 Date: Aug. = 5, 2004			
Name:	Signature:	Date:			
Name:	Signature:	Date:			
Name:	Signature:	Date:			
Name:	Signature:	Date:			

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

PATENT REEL: 016710 FRAME: 0153

RECORDED: 09/14/2004