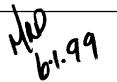
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06-03-1999



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ER LETTER

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No.: 000247-D8333

	To the Assistant Commissioner for Patents: Please re	ecord the attached original documents or copy thereof.				
1.	Name of conveying party(ies):	Name and address of receiving party(ies):				
	Yasuhisa OHARA, sig. 4/14/99; Yoshiyuki TAKAMI, sig. 4/15/99; Goro OTSUKA, sig. 4/15/99; Yukihiko NOSE, sig. 4/28/99; Kenzo MAKINOUCHI, sig. 3/10/99; Michihiro YOKOKAWA, sig. 3/11/99 Additional name(s) of conveying party(ies) attached?	KYOCERA CORPORATION 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto 612-8501 Japan and BAYLOR COLLEGE OF MEDICINE				
3.	Nature of conveyance: Assignment Execution Date: 3/10/99; 3/11/99; 4/14/99; 4/15/99; and 4/28/99	One Baylor Plaza Houston, Texas 77030 United States of America				
		Additional name(s) & address(es) attached? No				
4.	Application number(s) or patent number(s): 09/258,644					
	If this document is being filed together with a new application, the execu	ution date of the application is:				
	A. Patent Application No.(s) 09/258,644	B. Patent No.(s)				
	Additional numbers attac	ched? Yes No				
5.	Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: [1]				
	William H. Wright, Esq. LOEB & LOEB LLP	7. Total fee (37 CFR 3.41) \$40				
	10100 Santa Monica Blvd., 22nd Floor Los Angeles, CA 90067-4164	⊠ Enclosed □ Authorized to be charged to deposit account □				
		8. Deposit account number: 12-1820				
		(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 is true and correct and any attached copy is a true copy of the original document. William V. Wright, Reg. No. 36,312 Date: May 25, 1999						
Villianty I. Vingitt, Neg. No. 50,512						
OMB No. 0651-0011 (exp. 4/94)						
Mail documents to be recorded with required cover sheet information to:						
Assistant Commissioner for Patents 2/1999 DNGUYEN 00000293 09258644 Box Assignments						
C:58	:581 40.00 0P Washington, D.C. 20231					

CC201903.1 000247D8333 05/25/1999 ray

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PATENT REEL: 009988 FRAME: 0589

(1-8) Insert Name(s) of Inventor(s)	(1) Yasuhisa OHARA	(5) Kenzo MAKINOUCHI
	(2) Yoshiyuki TAKAMI	(6) Michihiro YOKOKAWA
	(3) Goro OTSUKA	(7)
	(4) Yukihiko NOSE	(8)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee	1. Kyocera Corporation 2. Baylor College of Medicine	
(10) Insert state of incorporation of Assignee	(10)1. A Japanese Corporation 2. A U.S. College	
(11) Insert address of Assignee	(11) 1. 6. Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, KYOTO 612-8501 JAPAN 2. One Baylor Plaza, Houston, Texas 77030, U.S.A. (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as	
(12) Insert identifi- cation of invention, such as Title, Case Number or Foreign Foreign App. Number	(12)CENTRIFUGAL BLOOD PUMP for which the undersigned has (have) executed an application for patent in the United States of America	
(13) Insert Date of Signing of Declaration	(13) on March 10, 1999, March 11, 1999, April 14, 1999, April 15, 1999, April 21, 1999 and April 28, 1999	

- (1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- (2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- (3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the international Convention for Protection of Industrial Property or similar agreements.
- (4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- (5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.
- (6) The undersigned hereby grants STUART LUBITZ, Reg. No. 20,680; RICHARD H. ZAITLEN, Reg. No. 27,248; ALEX CHARTOVE, Reg. No. 31,942; DAVID M. SIMON, Reg. No. 32,756; JAY M. FINKELSTEIN, Reg. No. 21,082; ROGER R. WISE, Reg. No. 31,204; GARY D. MANN, Reg. No. 34,867; DON F. LIVORNESE, Reg. No. 32,040; WILLIAM K. KONRAD, Reg. No. 28,868; LOUIS A. MOK, Reg. No. 22,585; JOHN P. SCHERLACHER, Reg. No. 23,009; TED RITTMASTER, Reg. No. 32,933; SAMUEL L. ALBERSTADT, Reg. No. 32,766; PAUL H. KOVELMAN, Reg. No. 35,228; PAUL G. NAGY, Reg. No. 37,896; JONATHAN Y. KANG, Reg. No. 38,199; DAVID L. LUBITZ, Reg. No. 38,229; MARGARET A. KIVINSKI, Reg. No. 38,517; WEINING YANG, Reg. No. 38,690; ALAN S. RAYNES, DAVID W. VICTOR, Reg. No. 39,867; CHRIS P. PERQUE, Reg. No. 37,696; PHILLIPPE O. ERWIN, Reg. No. 38,132; RANDALL C. FURLONG, Reg. No. 35,144; and JOSEPH F. VONSAUERS, Reg. No. 37,253 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 United States Patent & Trademark Office for recordation of this document.

Date:	14/4/99	Name of Inventor: There Chare	(SEAL)
Date:	Apr/15/99	Name of Inventor:	(SEAL)
Date:	4/15/99.	Name of Inventor:	(SEAL)
Date:	4/28/99	Name of Inventor:	(SEAL)
Date:	3/10/99	Name of Inventor: Konga Makinanchi	(SEAL)
Date:	3/11/99	Name of Inventor: Michihiro Tokokawa	(SEAL)
Date:		Name of Inventor:	(SEAL)
Date:		Name of Inventor:	(SEAL)

PATENT RECORDED: 06/01/1999 REEL: 009988 FRAME: 0590