•	07-20-20	05		·	
FORM PTO-1595 (modified) (Rev 6-93)	1030441		SHEET	U.S. DEPARTMENT C	OF COMMERCE and Trademark Office
To the Director of the United States	<del></del>		e attached origina	al documents or copi	es thereof.
1. Name of conveying party(ies):		2. Name and a	address of rece	iving party(ies):	
Takayuki KUME Keiji MAEZAWA		5-24-15,	Minamidai 5-	CORPORATION chome 4-8602 Japan	112949 U.S. PTC 11/177321
Additional conveying party(ies)  3. Nature of conveyance:  ASSIGNMI  Execution Date:					
June 22, 2  4. Application number(s) or patent		Additional nam	e(s) & address	(es) attached?	NO
If this is being filed together with  A. Patent Application Nu	mber(s):		e application is:		22, 2005
<ol><li>Name and address of party to v concerning document should be</li></ol>		6. Total numb	er of application	ns/patents involved	d: <b>1</b>
Pavan K. Agarwal FOLEY & LARDNER L		7. Total fee (3	_	\$40	.00
Washington Harbour 3000 K Street, N.W., S	uite 500	Charge to	o deposit accou	unt	
Washington, D.C. 200		8. Deposit acc	count number:	19-0741	
	DO NOT USE	THIS SPACE			
9. Statement and signature:  To the best of my knowled copy of the original document. The be required in this matter to the above the control of the control		uthoriz <b>ed to</b> cha			
Pavan K. Agarwal		VMI	MIM	July 11, 20	005
Name of person signing	Name of person signing		Signature		Date

07/12/2005 STEUMEL1 00000086 11177321

Name of person signing

01 FC:8021

40.00 DP

002.1426071.1

**PATENT REEL: 016777 FRAME: 0382** 

Total number of pages including cover sheet, attachments, and document:

## 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

CALSONIC KANSEI CORPORATION

address of

5-24-15, Minamidai, Nakano-ku

assignee

Tokyo 164-8602, Japan

(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

## **HEAT EXCHANGER**

as set forth in this United States Patent Application

check one	executed concexecuted on	currently herewith		
	Serial No.		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-

XXX.XXXXXX.XA

PATENT REEL: 016777 FRAME: 0383

Each of the undersigned hereby grants the firm of FOLEY & LARDNER LLP the power 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: Takayuki KUME	Signature: Jakanaki Kume	Date: 06/22/05				
Name: Keiji MAEZAWA	Signature: Keiji Masjawa	Date: 06/22/05				
Name:	Signature:	Date:				
Name:	Signature:	Date:				
Name:	Signature:	Date:				
NAMES AND SIGNATURES OF WITNESSES						
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.

-2-XXX.XXXXXX.XA

> **PATENT** REEL: 016777 FRAME: 0384

**RECORDED: 07/11/2005**