C PTO 1505	DECORDATION FOR	1 COVER SHEET	U.S. DEPARTMENT OF COMMERCE		
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OMB No. 0651-0027 (exp. 5/31/2002)	PAIENI	9 ONLT	_ 		
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
Name of conveying party(les):		Name and address of receiving party(ies)			
Honami Oosawa 11/11/2003 Katsumichi Ishihara 11/11/2003 Toshiyuki Nakamura 11/11/2003 Takashi Kaise 11/11/2003		Name: Sanyo De	enki Co., Ltd.		
Additional name(s) of conveying party(ies) attached? X Yes \ No		Address: 15-1, Kitaotsuka 1-chom-			
3. Nature of conveyance:		Toshima-ku			
Assignment	☐ Merger	Tokyo, Japan			
Security Agreement	☐ Change of Name				
To correct Assignment Rec	cordal recorded 7/13/04,				
Other reel 014851, frame 0005, to					
	3; November 11, 2003;				
November 11, 200 Execution Date: November 11, 200	3; November 11, 2003; 3; November 11, 2003				
		Additional name(s) & a	address(es) attached? 📮 Yes 📳 No		
Application number(s) or paten	• •				
If this document is being filed together with a new application, the execution date of the application is:					
A. Patent Application No.(s)		B. Patent No.(s)			
10/500603					
Additional numbers attached? 📮 Yes 🌠 No					
5. Name and address of party to whom correspondence		6. Total number of ap	plications and patents involved:		
concerning document should be	e mailed:				
Name: David E. Spaw		7. Total fee (37 CFR 3.41)\$40.00			
Line Lill I	D & Clark III	☐ Enclosed			
Internal Address: Rankin, Hill, F	Zoner & Clark LLF				
		Authorized to	be charged to deposit account		
		8. Deposit account number:			
Street Address: 4080 Erie Street					
			18-0160		
		,,,,			
City: Willoughby State: Ohio	Zip:_44094	(Attach duplicate copy of	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 information is true and correct and any attached copy					
is a true copy of the original do					
David E. Spaw			July 25, 2005		
Name of Person Signin	-	Signature	Date		
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Mail documents to be recorded with required cover sheet information to:

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Washington, D.C. 20231

PATENT REEL: 016564 FRAME: 0790 From: 216-566-9711 To: 1 571 273 0140 Page: 3/10 Date: 7/25/2005 9:15:29 AM

RECORDATION FORM COVER SHEET

PATENTS ONLY

Form PTO-1595

U.S. Serial No. 10/500,603 Page Two

July 25, 2005

1. Name of conveying party(ies):

Yoshihiko Aizawa 11/11/2003 Seiji Nishimura 11/11/2003

> PATENT REEL: 016564 FRAME: 0791

From: 216-579-9711

To: 17033065995 Page: 2/6 07/13/2004 700098688

Date: 7/13/2004 5:03:19 PM

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Tab settings ⇒ ⇒ ▼ To the Honorable Commissioner of Patents and Trademarks:	Please record the and	ached original di	CENTERIES OF CODY	
1. Name of conveying party(ies):	2. Name and a			S}
Honami Oosaw 11/11/2003 Katsumichi Ishihara 11/11/2003 Toshiyuki Nakamura 11/11/2003 Takashi Kaise 11/11/2003		iyo Denki Co		
Additional name(s) of conveying partyles) attached? 🍱 Yes 🛄 No		shima-ku	<u> </u>	1
3. Nature of conveyance:	Tol	kyo, Japan	•	l
Assignment	:			
Security Agreement	•			
Cther				
November 11, 2003; November 11, 2003; November 11, 2003; November 11, 2003; Execution Date: November 11, 2003; November 11, 2003	Additional nar	ne(s) & address(es) attached?	Yes 🖾 Na
	<u> </u>			
Application number(s) or patent number(s): If this document is being filed together with a new application.	lication the syst	ution date of	the application	is:
If this document is being filed together with a new app	MICAUDII, DIE GAGO	(a)	2.0 opp	
A. Patent Application No.(s) 10/500,603	B. Patent l	NO.(8)		
Additional numbers	attached? 📭 Yes			
5. Name and address of party to whom correspondence				ts involved:
concerning document should be mailed:	7. Total fee (3	17 CFR 3.41).	\$	40.00
Name: David E. Spaw	☐ Enclos	ed		
Internal Address: Rankin, Hill, Porter & Clark LLP	121 Autho	rized to be ch	arged to depo	sit account
	8. Deposit ac	count numbe	er:	
Street Address: 4080 Eric Street		1	8-0160	
City: Willoughby State: Ohio Zip: 44094	- (Attach dupli -	cate copy of this	paga if paying by	deposit account)
DO NOT U	SE THIS SPACE			
9. Statement and signature.				
 Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. 	ng information is	tyle and corre		
David E. Spaw	VIV(SOL)			<u>y 13, 2004</u> Date
Name of Person Signing	"Signature		conte: 6	
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RECORDATION FORM COVER SHEET PATENTS ONLY

Form PTO-1595

U.S. Serial No. 10/500,603 Page Two

July 13, 2004

Name of conveying party(ies):

Yoshihiko Aizawa 11/11/2003 Seiji Nishimura 11/11/2003

> PATENT REEL: 016564 FRAME: 0793

From: 216-566-9711 To: 1 571 273 0140 Page: 8/10 Date: 7/25/2005 9:15:31 AM

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned

Axial-Flow Fan With Double Impellers

that are the subject of an application for a U.S. Patent, (Application No. 10/500, 603, filed June 30, 2004), which application is further identified as Rankin, Hill, Porter & Clark LLP Docket No. NIS-15538 ...

WHEREAS, Sanyo Denki Co., Ltd. , a corporation of Japan , and having a place of business at 15-1, Kitaotsuka 1-chome, Toshima-ku, Tokyo , Japan , hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill, Porter & Clark LLP the power to insert on this assignment any identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Page 1 of 3

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1)	Inventor Name (sole or joint): Honami OOSAWA				
	Signature: Hohami Onsawa				
	Today's Date: November 11 2003				
	Witness: Michinori Watanabe				
	Witness: Novaki Ogawa				
(2)	Inventor Name (joint): Katsumichi ISHIHARA				
` '	Signature: <u>Katsumichi</u> Ishihara				
	Today's Date: November 11, 2003				
	Witness: Michinori Watanabe				
	Witness: Novaka Ogawa				
	Witness: //puaka ognoa				
(3)	Inventor Name (joint):Toshiyuki NAKAMURA				
(0)	Signature: Tophyshi Nakomura				
	Today's Date: November 11, 2003				
	Witness: Michinori Watanabe				
	Witness: Michinori Watanabe Witness: Moriaki Ogama				
	- 1 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7				
(4)	Inventor Name (joint): Takashi KAISE				
	Signature: That Kaise				
	Today's Date: hovember 11. 2003				
	Witness: Michinori Watanabe				
	Witness: Moriski Ogama				

(5)	Inventor Name (joint): Yoshiniko Alzawa
` '	Signature: <u>Yoshihiko Qizawa</u> Today's Date: <u>November</u> 11, 2003
	Today's Date: November 11, 2003
	Today o Date.
	Witness: Michinari Watarabe
	Witness: Michinari Watarabe Witness: Mariaki Ogawa
	Witness
(0)	Inventor Name (joint): Seiji NISHIMURA
(6)	Inventor Name Goldy.
	Signature: <u>Seiji Mishimura</u> Today's Date: <u>Movember 11, 2003</u>
	Today's Date:// WVVIIWOU 11, 2003
	Mala a last al
	Witness: Michinori Watanabe Witness: Moriaki, Ogawa
	Witness: Novaki Ogswa
(7)	Inventor Name (joint):
	Signature:
	Today's Date:
	Witness:
	Witness:
(8)	Inventor Name (joint):
(0)	Signature:
	-
	Today's Date:
	Witness
	Witness:
	Witness: