Form PTO-1595 (Rev. 08/05) Doc Code; OMB No. 0651-0027 (exp. 6/30/2008)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Offic		
RECORDATION FORM			
PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.			
Name of conveying party(ies)	2. Name and address of receiving party(ies)		
1. Haine of Conveying party(les)	Name: Robert Bosch GmbH		
Christian LANGENBACH Arno LORENZ	Internal Address:		
Rocco GUARINO			
Additional name(s) of conveying party(ies) attached? 🗷 Yes 🔲 No	Street Address: Postfach 30 02 20		
3. Nature of conveyance/Execution Date(s):	1-10-1		
Execution Date(s) 08/23/07 , 09/19/07 , 08/29/07	70442 Stuttgart, Germany		
☑ Assignment ☐ Merger	City:		
☐ Security Agreement ☐ Change of Name ☐ Joint Research Agreement	State:		
Government Interest Assignment	Country:Zip:		
☐ Executive Order 9424, Confirmatory License			
	Additional name(s) & address(es) attached? 🔲 Yes 🛛 No		
4. Application or patent number(s):			
A. Patent Application No.(s)	B. Patent No.(s)		
12/088,294			
	·		
Additional numbers att			
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
Name: Ronald E. Greigg	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
Internal Address:	 Authorized to be charged by credit card 		
	Authorized to be charged to deposit account		
Street Address: 1423 Powhatan Street	☐ Enclosed ☐ None required (government interest not affecting title)		
Unit One			
City: Alexandria	8. Payment Information		
State: Virginia Zip: 22314	a. Credit Card Last 4 Numbers		
Phone Number: (703) 838-5500	Expiration Date		
Fax Number: (703) 838-5554	b. Deposit Account Number 07-2100		
Email Address:	Authorized User Name Ronald E. Greigg		
9. Signature:	11 JULY 2008		
Signature	Date		
RONALD E. GREIGG Total number of pages including cover			
Name of Person Signing			

Documents to be recorded (Including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mall Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT REEL: 021229 FRAME: 0531 Sent By: GREIGG & GREIGG PLLC ;

7038385554;

Jul-11-08 4:05PM;

Page 2

CONTINUATION OF INVENTORS AND EXECUTION DATES

Serial No. 12/088,294

Docket No. R.312905

Filed: March 27, 2008

Confirmation No. 9944

<u>Inventor</u>

Execution Date

Vito SPINELLI

08/29/2007

PATENT REEL: 021229 FRAME: 0532

Assignment of Rights, Tit (Multiple invento	le and Interest in Invention ors; single assignee)	Docket No. R.312905
	ts, title and interest: (check all that apply):	 -
☑ United States of America rights, title and interest in the invention		
Foreign rights, title and interest in the invention		
☑ United States Patent Applicat	tion Serial No. 12/088,294	
Date of Execution: 08/		008
☐ United States Provisional Pa		,,
☐ United States Patent No(s).		
International (PCT) Patent Application Serial No.		
Other (specify) Date of Execution	cution: 08/29/2007	
itle of the Invention	VANE PUMP	
·	<u>·</u>	
nventors (assignors)		
Name	Address	
Christian LANGENBACH	lm Vogelsang 13, 71563 Affalterbach,	
Arno LORENZ	Am Alten Sportplatz 4/1, 71272 Renni	
Rocco GUARINO	Via Noci L Trv. Sx N 17, 70010 Turi (Bari), Italy	
Vito SPINELLI	Via L. Pirandello N 6, 70010 Sammichele Di Bari (Ba), Italy	
	<u> </u>	
Assignee		
Name	Address	
Robert Bosch GmbH	Postfach 30 02 20, 70442 Stuttgart, G	Sermany
	[Page 1 of]	A903A/REV02

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. R.312905

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signuture/Date
Christian LANGENBACH	× /hearl. 23.08.07
Arno LORENZ	19.09.2007
Rocco GUARINO	X Shoot lin 29/08/207
Vito SPINELLI	1 voto Structur 29/08/2007

Page 2 of

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RECORDED: 07/11/2008