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1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Kurt H. Wieland	Name: Wieland Heart LLC
	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes 🗸 No	
3. Nature of conveyance/Execution Date(s):	Street Address: <u>302 Woodland Hills Dr</u>
Execution Date(s) July 14, 2006	
Assignment Merger	City: Escondido
Security Agreement Change of Name	Ony. Later and
Joint Research Agreement	State: California
Government Interest Assignment	Country: San Diego Zip:92029
Executive Order 9424, Confirmatory License	
Other	Additional name(s) & address(es) attached? Yes 🖌 No
4. Application or patent number(s):	document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s)
1) United States Patent 6,449,983 B1 Centrifucsi blood pump apperatus	
2) United States Patent 6,048,363	
Centrifugai blood pump apparatus	
Additional numbers attached? Yes 🖌 No	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 2
Name: Kurt H. Wieland	
	7. Total fee (37 CFR 1.21(h) & 3.41) \$80
Internal Address: Weland Heart LLC	Authorized to be charged by credit card
	Authorized to be charged to deposit account
Street Address: 302 Woodland Hills Dr	
	None required (government interest not affecting title)
City: ESCONDIDO	8. Payment Information
State: <u>CA</u> Zip: 92029	a. Credit Card Last 4 Numbers 0108 Expiration Date 10/08
Phone Number: 760 489-0986	
Fax Number: 780 735-5895	b. Deposit Account Number
Ernail Address: kurt wieland@msn.com	Authorized User Name
9. Signature: hurf A. keieland August 13, 2006	
Signature August 13, 2006 Date	
Kurt H, Wieland	Total number of pages including cover
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Documents to be recorded (including cover sheet) should be fixed to (571) 273-0148, or mailed to: Meil Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1458, Alexandrin, V.A. 22313-1450

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PATENT OWNERS AGREEMENT WIELAND HEART LLC

ASSIGNMENT OF PATENT OWNERSHIP

For valuable consideration, Kurt Wieland ("Wieland"), co-inventor of the Patents abstracted in Exhibit 1 attached to this assignment hereby assigns his entire right, title and interest in the inventions and patents to Wieland Heart LLC, ("Heart" or Assignee),

Wieland agrees 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. Wieland agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The Wieland hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to Assignee, as Assignee of the entire interest, and hereby covenants that he has full right to convey the entire interest. herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith

Wieland hereby grants to the law firm relained by HEART 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 Office for recordation of this document.

Date 7/05/2006

Kert H. Wieland KURT H. Wieland

Name of Imentor

Patent Inventor Assignment

EXHIBIT 1

PATENT RIGHTS

1. United States Patent 6,443,983: Centrifugal blood pump apparatus

Abstract: A centrifugal impeller-type pump for transporting blood has a new and improved design in the impeller, to allow for the elimination of stagnant flow areas, and a geometrical design that minimizes damage to the blood components. A system for controlling and stabilizing the speed of centrifugal-type pumps used in a human cardiovascular system is also provided. Further provided are methods of corrosion protection and enhancing thromboresistance, rejection of waste heat, and methods to connect the artificial heart to the cardiovascular system as a Left Ventricle Assist Device (LVAD) and as a Total Artificial Heart (TAH).

Inventors: Nagyszalanczy; Lorant (15004 Greenleaf St., Sherman Oaks, CA 91403); Wieland; Kurt H. (29811 Disney La., Vista, CA 92084-1225); Lemay; Dan (2514 Wilt Rd., Fallbrook, CA 92028); Spicer; Norman E. (77-570 Woodhaven Dr. North, Palm Desert, CA 92211); Sternlieb; Jack (13 Clancy La., Rancho Mirage, CA 92270)

2. United States Patent 6,048,363: Centrifugal blood pump apparatus

Abstract: A centrifugal impeller-type pump for transporting blood has a new and improved design in the impeller, to allow for the elimination of stagnant flow areas, and a geometrical design that minimizes damage to the blood components. A system for controlling and stabilizing the speed of centrifugal-type pumps used in a human cardiovascular system is also provided. Further provided are methods of corrosion protection and enhancing thromboresistance, rejection of waste heat, and methods to connect the artificial heart to the cardiovascular system as a Left Ventricle Assist Device (LVAD) and as a Total Artificial Heart (TAH).

Inventors: Nagyszalanczy; Lorant (15004 Greenleaf St., Sherman Oaks, CA 91403); Wieland; Kurt H. (29811 Disney La., Vista, CA 92084-1225); Lemay; Dan (2514 Witt Rd., Fallbrook, CA 92028); Spicer; Norman E. (77-570 Woodhaven Dr. North, Palm Desert, CA 92211); Sternlieb; Jack (13 Clancy La., Rancho Mirage, CA 92270)

Exclusive Patent License Agreement Wieland Heart, Lic And Heartag, Inc. Page 13 of 16

ACKNOWLEDGMENTS:

STATE OF CALIFORNIA)) SS: COUNTY OF SAN DIEGO)

On <u>Tuly 6+6</u>, 2006, before me, a Notary Public in and for said County and State, personally appeared Kurt Wieland, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same.

WITNESS my hand and official seal.

Notary Public in and for said County and State



Patent Inventor Assignment Page 2 of 2

RECORDED: 08/15/2006