# 502806383 05/13/2014

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY DA	АТА	·		
		Name	Execution Date	
JEFFREY A. LAROSE			12/04/2006	
UDAI SINGH			12/08/2006	
RECEIVING PARTY DA	ТА			
Name:		TWARE, INC.		
Street Address:	14420 NW 60TH AVENUE			
City:	ΜΙΑΜΙ	MIAMI LAKES		
State/Country:	FLORI	DA		
Postal Code:	33014			
PROPERTY NUMBERS Property Type Patent Numbers		Number		
Patent Number:		8506470		
CORRESPONDENCE D	ΑΤΑ			
Fax Number:		(908)654-7866		
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Fax Number: <i>Correspondence will be US Mail.</i> Phone: Email: Correspondent Name:		o the e-mail address first; if that is unsucce (908) 518-6450 Assignment@ldlkm.com LDLK&M	essful, it will be sent via	
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Fax Number: <i>Correspondence will be</i> <i>US Mail.</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	e sent to	(908) 518-6450 Assignment@ldlkm.com LDLK&M 600 SOUTH AVENUE WEST WESTFIELD, NEW JERSEY 07090 HEARTW 3.9-080 CIP CON MARCUS J. MILLET	essful, it will be sent via	

#### Total Attachments: 2

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#### Assignment

In consideration of One Dollar (\$1.00), and other good and valuable

considerations, the receipt of which is hereby acknowledged, we, the undersigned, Jeffrey A. LaRose, residing at 10937 N.W. 61st Court, Parkland, Florida 33076, United States of America; and

Udai Singh, residing at 210 Whiteberry Drive, Cary, North Carolina 27519, United States of America

Hereby sell, assign and transfer to HeartWare, Inc.

Delaware having a place of business at 3351 Executive Way, Miramar, Florida 33025, United States of America

its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on December 4, 2006 and December 8, 2006 and is entitled

SENSORLESS FLOW ESTIMATION FOR IMPLANTED VENTRICLE ASSIST DEVICE (U.S. Serial No. 11/597,230 , §371 national stage of PCT International Application No. PCT/US2005/018333, filed May 24, 2005, claiming priority of U.S. Serial No. 10/853,302, filed May 25, 2004)

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

> PATENT REEL: 032878 FRAME: 0154

Agree that said Assignce may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of \$\$\$3 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

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**Cobenant** with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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Date: December 4 2006 Jeffrey A. LaRose	[L.m.]
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- 19 ITAN	[L.S.]
Date: Decountres 8th 2006 Uday Singh	[ [ ]
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**RECORDED: 05/13/2014**