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(71) **Applicants** (for all designated States except US): **THOR-ATEC CORPORATION** [US/US]; 6035 Stoneridge Drive, Pleasanton, CA 94588 (US). **THE PENN STATE RESEARCH FOUNDATION** [US/US]; 304 Old Main, University Park, PA 16802 (US).

(72) **Inventors; and**

(75) **Inventors/Applicants** (for US only): **CAMPBELL, Robert, L.** [US/US]; 38 Darrich Court, Port Matilda, PA 16870 (US). **KONCOSKI, Jeremy** [US/US]; 4826 W. Whitehall Rd., Pennsylvania Furnace, PA 16865 (US). **MALLISON, Thomas, M.** [US/US]; 1836 Kings Court, State College, PA 16801 (US). **MCBRIDE, Mark, W.** [US/US]; 194 N. Fillmore Road, Bellefonte, PA 16823 (US). **METREY, Daniel** [US/US]; 1101 Brook Circle, Blacksburg, VA 24060 (US). **MYER, Eric, C.** [US/US]; 214 Sinking Creek Road, Springs Mills, PA 16875 (US). **POWELL, Kevin, J.** [US/US]; 66 Forge Hill Road, Glen Gardner, NJ 08826 (US). **ROSLUND, Adam** [US/US]; 237 Shady Ridge Drive, Monroeville, PA 16146 (US). **WALTERS, Daniel, A.** [US/US]; 12 Slope Drive, Rockaway Twp, NJ 07801 (US). **REPKA, William, James** [US/US]; 113 Rainbow Trail, Denville, NJ 07834 (US).

YUEN, Phyllis [—/US]; 201 Starlite Way, Fremont, CA 94539 (US).

(74) **Agent: CHRISTENSEN, Michael, R.**; Knobbe Martens Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, CA 92614 (US).

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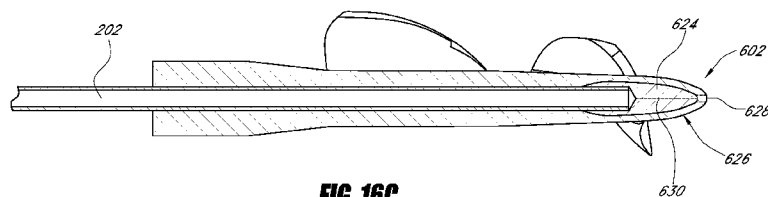
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(54) **Title:** PERCUTANEOUS HEART PUMP**FIG. 16C**

(57) **Abstract:** Disclosed herein are heart pumps that can include a catheter body and an impeller coupled with a distal end of the catheter body. The impeller can include a tip that is resealable or that includes a resealable member. The heart pump can also include a diffuser disposed between the distal end of the catheter body and the impeller, wherein the diffuser includes a flow directing surface.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/020553**A. CLASSIFICATION OF SUBJECT MATTER****A61M 1/10(2006.01)i, A61M 25/01(2006.01)1, A61M 25/088(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61M 1/10; A61K 9/22; A61N 1/362; A61M 25/00; A61M 39/10; B64C 11/28; A61M 1/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: heart, pump, catheter, impeller, housing, deployment, resealing

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0114339 A1 (MCBRIDE, M. W. et al.) 15 May 2008 See the whole document.	1-23
A	US 2003-0100816 A1 (SIESS, T.) 29 May 2003 See the whole document.	1-23
A	US 2007-0156006 A1 (SMITH, W. A. et al.) 05 July 2007 See the whole document.	1-23
A	EP 2263732 A2 (THORATEC CORPORATION) 22 December 2010 See the whole document.	1-23

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Korean Intellectual Property Office
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan
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Authorized officer

Kim, Hyun Ju

Telephone No. 82-42-481-8734



INTERNATIONAL SEARCH REPORT

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