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Device to Grow and Form a Hybrid Heart Valve

Tech ID: 23141 / UC Case 2013-324-0

BRIEF DESCRIPTION

Researchers at the University of California, Irvine (UCI) have developed a device that may be used in growing and forming a novel hybrid heart valve developed at UCI. The hybrid heart valve is capable of self-renewal and may be used as a replacement heart valve in patients. The device allows for the controlled application of different layers of cells to the form the hybrid heart valve. The device has also the capability to be used for culturing other types of tissue engineered valves that traditionally require a use of scaffold for formation.

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,610,616	04/07/2020	2011-607
United States Of America	Issued Patent	10,016,461	07/10/2018	2013-324
United States Of America	Issued Patent	9,925,296	03/27/2018	2011-607
United States Of America	Issued Patent	8,936,650	01/20/2015	2011-607
United States Of America	Issued Patent	8,900,862	12/02/2014	2011-607
United States Of America	Published Application	20150081012	03/19/2015	2011-607

CONTACT

Alvin Viray
aviray@uci.edu
tel: 949-824-3104.



OTHER INFORMATION

KEYWORDS

Heart valve replacement, Hybrid heart valve, Tissue engineering

CATEGORIZED AS

- » **Medical**
 - » Devices
 - » Disease: Cardiovascular and Circulatory System
- » **Engineering**
 - » Other

RELATED CASES

2013-324-0, 2011-856-0, 2011-607-0

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5270 California Avenue / Irvine, CA
92697-7700 / Tel: 949.824.2683



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