

Title (en)

SINGLE TISSUE LEAFLETS OF A PROSTHETIC VALVE

Title (de)

SEGEL AUS EINEM EINZIGEN GEWEBE FÜR EINE HERZKLAPPENPROTHESE

Title (fr)

FEUILLETS DE TISSU UNIQUE D'UNE VALVE PROTHÉTIQUE

Publication

EP 3310267 A4 20190731 (EN)

Application

EP 16875018 A 20161215

Priority

- IN 4699MU2015 A 20151215
- IB 2016057642 W 20161215

Abstract (en)

[origin: WO2017103830A1] A prosthetic heart valve having a plurality of leaflets formed from a single continuous tissue is disclosed. The leaflets made from a single continuous tissue are seated in a support frame having plurality of expandable cells. Semi-circular arcs of the leaflets are attached to a bottom row of the support frame while attachment nodes of rectangular cross-sections of the tissue are attached to commissures of the support frame. The tissue at the attachment nodes can be sutured to the support frame with leaflet sutures being positioned outside the support frame.

IPC 8 full level

A61B 17/00 (2006.01); **A61F 2/00** (2006.01); **A61F 2/06** (2013.01); **A61F 2/24** (2006.01); **A61F 2/82** (2013.01); **A61F 2/95** (2013.01); **A61L 27/00** (2006.01)

CPC (source: EP)

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Citation (search report)

- [X] US 2012089223 A1 20120412 - NGUYEN SON V [US], et al
- [A] EP 1913899 A1 20080423 - BEIJING BALANCE MEDICAL CO LTD [CN]
- [A] US 2010082094 A1 20100401 - QUADRI ARSHAD [US], et al
- See references of WO 2017103830A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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