

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(10) 国际公布号
WO 2023/088377 A1

(43) 国际公布日
2023 年 5 月 25 日 (25.05.2023)

- (51) 国际专利分类号:
A61F 2/24 (2006.01) *A61F 2/02* (2006.01)
A61F 2/966 (2013.01)
- (21) 国际申请号: PCT/CN2022/132606
- (22) 国际申请日: 2022 年 11 月 17 日 (17.11.2022)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (30) 优先权:
202111361301.3 2021 年 11 月 17 日 (17.11.2021) CN
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(54) Title: SPLIT-TYPE INTERVENTIONAL TRICUSPID VALVE SYSTEM CAPABLE OF ACCURATELY ANCHORING

(54) 发明名称: 一种分体式可精准锚定的介入三尖瓣系统

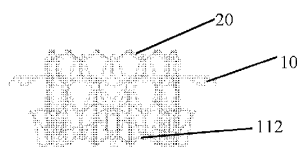


图 3A

(57) Abstract: A split-type interventional tricuspid valve system capable of accurately anchoring, comprising a split interventional tricuspid valve anchoring stent (10) and an interventional artificial biological tricuspid valve (20), wherein the form and structure of the interventional tricuspid valve anchoring stent (10) are matched with the real structure of a tricuspid valve after the image data of a patent is subject to three-dimensional reconstruction; the interventional tricuspid valve anchoring stent (10) is first conveyed to the tricuspid valve position of the patient to be released and deformed, and be in personalized and accurate alignment connection with a supralvalvular tissue (40) and a subvalvular tissue (50) at the tricuspid valve position of the patient; the interventional artificial biological tricuspid valve (20) is conveyed into the interventional tricuspid valve anchoring stent (10) to be released; the interventional artificial biological tricuspid valve (20) is released, deformed and expanded to a functional state, so that the interventional tricuspid valve anchoring stent (10) is deformed again and is combined with the expanded interventional tricuspid valve (20), and at the same time, the secondary deformation of the interventional tricuspid valve anchoring stent (10) causes the anchoring stent (10) and the subvalvular tissue (50) to complete preset combination and be anchored. The split-type interventional tricuspid valve system capable of accurately anchoring is a system designed on the basis of three-dimensional reconstruction, and can achieve the personalized accurate anchoring of an interventional tricuspid valve.

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本国际公布:

— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 一种分体式可精准锚定的介入三尖瓣系统, 包括分体的介入三尖瓣锚定支架(10)和介入人工生物三尖瓣(20), 介入三尖瓣锚定支架(10)的形态和结构与患者影像数据经三维重建后的三尖瓣真实结构相匹配, 介入三尖瓣锚定支架(10)先被输送至患者三尖瓣位释放、形变、与患者三尖瓣位瓣上(40)和瓣下(50)的组织个性化精准对位接合; 介入人工生物三尖瓣(20)被输送至介入三尖瓣锚定支架(10)内释放, 介入人工生物三尖瓣(20)被释放形变扩启至功能状态, 使介入三尖瓣锚定支架(10)再次形变与扩启的介入三尖瓣(20)结合, 同时介入三尖瓣锚定支架(10)的再次形变致锚定支架(10)与瓣下(50)组织完成事先预设的结合而锚定。分体式可精准锚定的介入三尖瓣系统基于三维重建而设计的系统, 可以实现介入三尖瓣个性化的精准锚定。