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(54) Title: STENT USED FOR IMPLANTING VALVE-IN-VALVE

(54) 发明名称: 一种用于介入瓣中瓣的支架

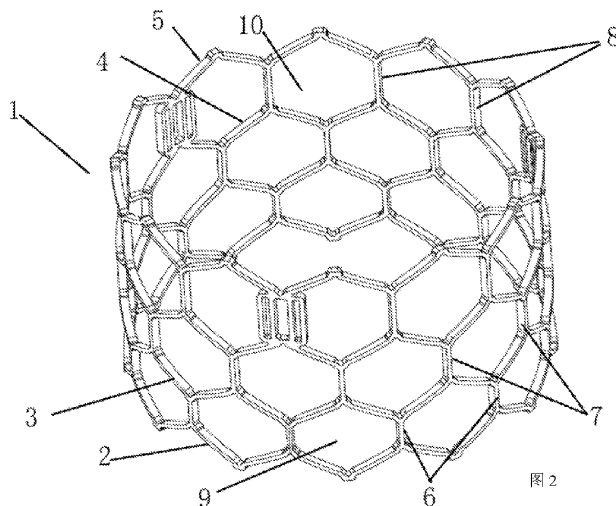


图 2

(57) Abstract: A stent used for implanting a valve-in-valve. The stent is a metal tube lattice and is provided with four rows of circumferential support rods (2, 3, 4, 5) that extend horizontally and multiple columns of axial support rods (6, 7, 8) arranged between the circumferential support rods. The axial support rods (6, 7, 8) at different rows are arranged in a criss-crossing pattern, and the axial support rods and the horizontal support rods connected thereto form a criss-crossing honeycomb grid. The area of the honeycomb grid (11) at an inflow end (9) is generally equal to the area of the honeycomb grid (12) at the middle rows, and the area of the honeycomb grid (13) at an outflow end (10) is slightly larger than the area of the honeycomb grid at the other two rows. The present invention takes into account that the valve-in-valve being implanted must be implanted inside of a valve previously implanted by means of a surgery or

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本国际公布:

- 包括国际检索报告 (条约第21条(3))。
- 在修改权利要求的期限届满之前进行, 在收到该
修改后将重新公布 (细则48.2(h))。

inside of a valve stent previously implanted but has been damaged and takes into account the fit specificity of the valve-in-valve with the valve that has been damaged or lost the function thereof. Improvement is made to existing implantation valve stents and all grids in a stent are configured to near honeycomb structures. A stent of this type of structure has a certain degree of rigidity while allowing for rapid, synchronous unfolding speed and good fit, thereby achieving better usage.

(57) 摘要: 一种用于介入瓣中瓣的支架, 支架为金属网管, 具有设有横向延伸的四行圆周支杆 (2,3,4,5) 和设于圆周支杆之间的多列轴向支杆 (6,7,8), 各行的轴向支杆交错设置, 轴向支杆 (6,7,8) 和与其相接的横向支杆连接形成交错排列的蜂窝形网格, 流入端 (9) 的蜂窝形网格 (11) 与中间行的蜂窝形网格 (12) 面积基本相同, 流出端 (10) 的蜂窝形网格 (13) 比其它两行的蜂窝形网格的面积略大。考虑到介入瓣中瓣要介入至先前植入已毁损的外科瓣或介入瓣内, 其与毁损失功瓣膜所贴合特殊性, 对现有的介入瓣支架进行改进, 将支架所有网格均采用近似蜂窝形的结构, 这种结构的支架具有一定刚性的同时, 同步展开速度快、贴附性好, 能够获得更好使用效果。