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(54) Title: SEGMENTAL EXPANSION COMPONENT, AND DELIVERY DEVICE AND VASCULAR IMPLANT SYSTEM COMPRISING SAME

(54) 发明名称: 一种节段式膨胀部件、包含其的输送装置和脉管植入物系统

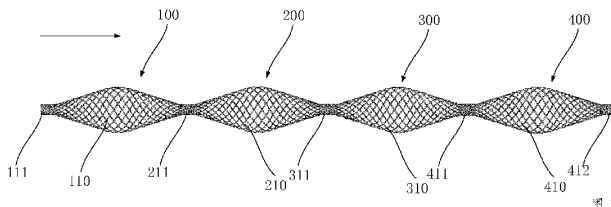


图 1

(57) Abstract: The present application relates to a segmental expansion component, and a delivery device and vascular implant system comprising same. The segmental expansion component is provided with at least one segmental expansion unit, and the segmental expansion unit comprises an expandable portion, a proximal restraint portion connected to the proximal end of the expandable portion, and a distal restraint portion connected to the distal end of the expandable portion. The segmental expansion component is obtained by cross-weaving two or more wires into a mesh tube structure and performing segmental restraint according to a predetermined length. In the segmental expansion unit, when the expandable portion is in a radially expanded state, a ratio of the axial length of the expandable portion to the axial length of the proximal restraint portion is 8:1 to 20:1; and the expandable portion has 20 to 200 crossing points per inch of length. The segmental expansion component provided by the present application can obtain suitable distal axial thrust and radial support force without losing flexibility and pushability, thus ensuring the massaging and smoothing effect of the inner wall of an implant.

(57) 摘要: 本申请涉及一种节段式膨胀部件、包含其的输送装置和脉管植入物系统。节段式膨胀部件具有至少一个节段式膨胀单元, 包括一个可膨胀部, 连接在所述可膨胀部近端的近端束缚部和连接在所述可膨胀部远端的远端束缚部; 所述节段式膨胀部件由两根以上的丝线交叉编织成网管状结构, 并按照预定长度进行节段式束缚获得; 所述节段式膨胀单元中, 在所述可膨胀部径向膨胀状态下, 可膨胀部的轴向长度与近端束缚部的轴向长度之比为 8:1 ~ 20:1; 所述可膨胀部, 每英寸长度内的交叉点个数为 20 ~ 200。本申请提供的节段式膨胀部件在不丧失柔顺性和推送性的前提下, 获得了合适的远端轴向推力和径向支撑力, 保证了植入物内壁的按摩抚平效果。

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