

Abstract**SEGMENTAL EXPANSION COMPONENT, AND DELIVERY DEVICE AND
VASCULAR IMPLANT SYSTEM COMPRISING SAME**

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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.

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(FIG. 1)