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(54) Title (EN): METHODS AND DEVICES FOR DEPLOYING AN IMPLANT IN CURVED ANATOMY

(54) Title (FR): PROCÉDÉS ET DISPOSITIFS DE DÉPLOIEMENT D'UN IMPLANT DANS DES COURBES ANATOMIQUES

(57) Abstract:

(EN): Methods and devices for deploying an endoluminal implant in a curved vessel. The devices include steerable catheters having a control member that extends to the distal end and operates to bend the catheter. In other cases, the stent includes a longitudinal adjustment member attached near the leading edge of the stent and operates to shorten or lengthen the stent and thereby induce a curvature. The stent is carried in a distal region of the catheter that is advanced into a curved region of a vessel. The catheter is bent and/or the stent is curved using the longitudinal adjustment member, and the stent is deployed to achieve uniform wall contact with the endoluminal surface of the vessel at the lesser curvature.

(FR): Procédés et dispositifs de déploiement d'un implant endoluminal dans un vaisseau courbe. Les dispositifs comprennent des cathéters orientables munis d'un élément de commande qui s'étend jusqu'à l'extrémité distale et fonctionne de manière à fléchir le cathéter. Dans d'autres cas, l'endoprothèse vasculaire comprend un élément d'ajustement longitudinal fixé à proximité du bord avant de l'endoprothèse vasculaire, et fonctionne de manière à raccourcir ou à allonger l'endoprothèse vasculaire et ainsi à induire une courbure. L'endoprothèse vasculaire est portée dans une zone distale du cathéter qui progresse dans une zone courbe d'un vaisseau. Le cathéter est fléchi et/ou l'endoprothèse vasculaire est courbée en utilisant l'élément d'ajustement longitudinal, et l'endoprothèse vasculaire est déployée de manière à obtenir un contact de paroi uniforme avec la surface endoluminale du vaisseau à une moindre courbure.

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