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(54) Title (EN): CATHETER

(54) Title (FR): CATHÉTER

(54) Title (JA): カテーテル

(57) Abstract:

(EN): To provide a catheter which can be driven and manipulated even in the case where the catheter is deformed in a twisted vessel and in which the driving section can be easily twisted and retained by an excellent holding power, use is made of a catheter comprising a fluid-driven actuator which has a balloon and a restraining member restraining the inflation of the balloon in the minor axis direction of the catheter, wherein a tube which is less stretchable in the major axis direction of the catheter than the balloon as described above is eccentrically provided in one side of the restraining member as described above in the cross-section of the fluid-driven actuator as described above along the minor axis of the catheter.

(FR): L'invention porte sur un cathéter qui peut être actionné et manipulé, même dans le cas où le cathéter est déformé dans un vaisseau sinueux et dans lequel la section d'actionnement peut facilement être tordue et retenue par une excellente puissance de maintien. Selon l'invention, on utilise un cathéter comprenant un actionneur commandé par fluide qui comporte un ballonnet et un élément de retenue contraignant le gonflage du ballonnet dans la direction d'axe mineur du cathéter, un tube, qui est moins étirable dans la direction d'axe majeur du cathéter que le ballonnet décrit ci-dessus, disposé de manière excentrique dans un côté de l'élément de retenue décrit ci-dessus, dans la section transversale de l'actionneur commandé par fluide décrit ci-dessus, le long de l'axe mineur du cathéter.

(JA): 屈曲した血管内で、カテーテルが変形した場合でも駆動操作が可能であり、且つ駆動部が容易に屈曲し、その駆動部の保持力に優れたカテーテルを提供するために、バルーンと前記バルーンのカテーテル短軸方向への膨張を拘束する拘束部材とを有する流体駆動型アクチュエータを備え、前記流体駆動型アクチュエータのカテーテル短軸断面

では、前記バルーンと比較してカテーテル長軸方向に伸縮しないチューブが、前記拘束部材の一側に偏心して設けられているカテーテルを用いる。

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