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(54) **ENDOVASCULAR MEDICAL DEVICE WITH PLURALITY OF WIRES**

**Publication Classification**

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(57) **ABSTRACT**

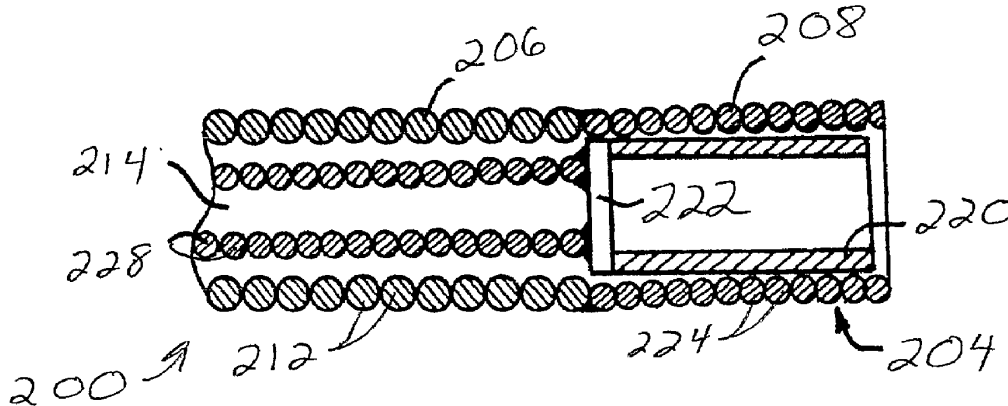
An endovascular device (**1,100,200,300**) having a distal end (**2**), a proximal end (**4**) and a body portion (**3**) therebetween. The body portion is made of a multiple filament helically wound row (**A**) of wires (**5**), provided with a sealing coating (**14**) on the inside surface or the outside surface or both. The device may be a catheter (**1**), a sheath, an introducer, a delivery device, a pusher (**100**), an embolization coil delivery device (**300**), or a receptacle (**208**) for an expandable prosthesis (**220**) used with a delivery device(**200**). From 2 to 12, and preferably from 4 to 8, wires (**5**) are used in the row, and fewer wires may be used proceeding toward the distal end (**2**) for greater flexibility. The helically wound row of wires transmits torque and provides pushability to the device while resisting kinking, and enables a small outside diameter for reaching very small vessels and extending through very tortuous vessels.

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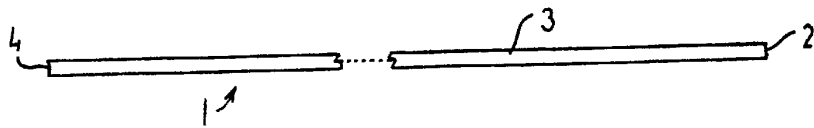


FIG. 1

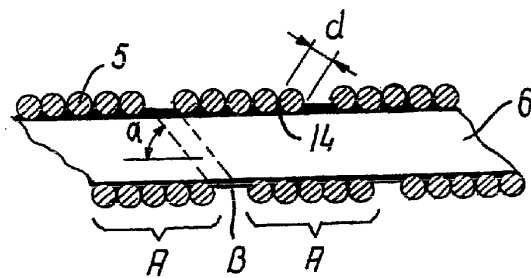


FIG. 2

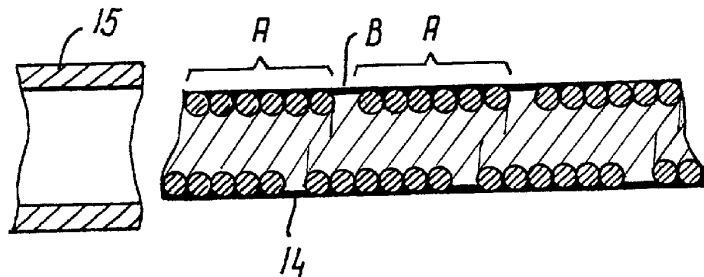
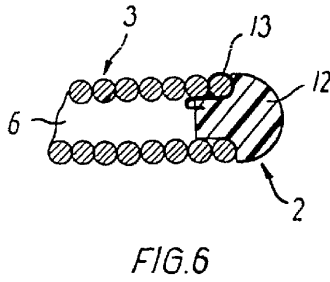
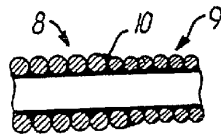
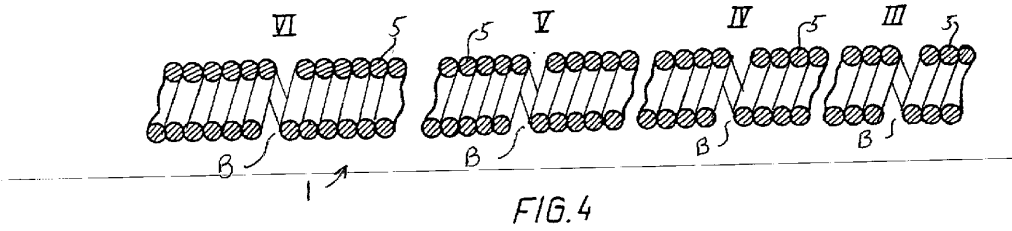


FIG. 3



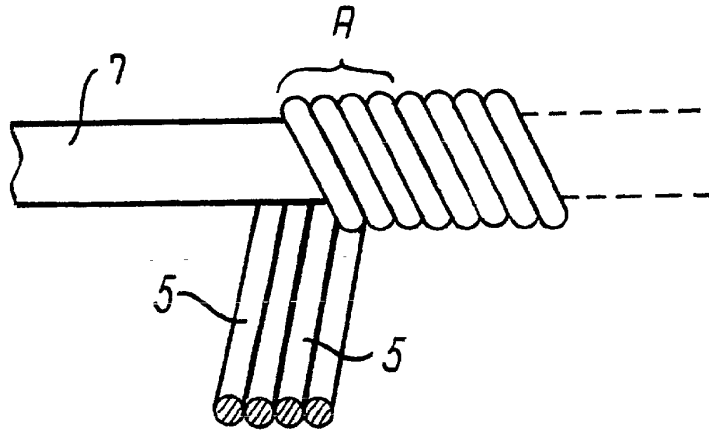


FIG. 7

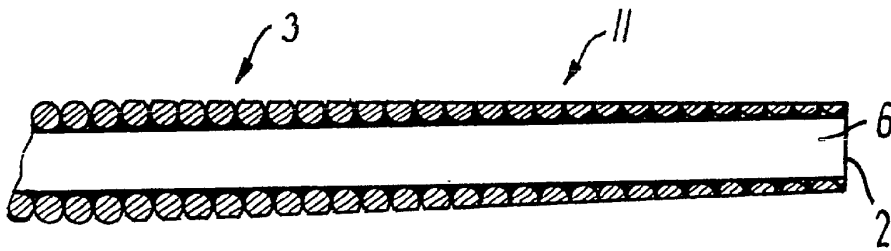


FIG. 8

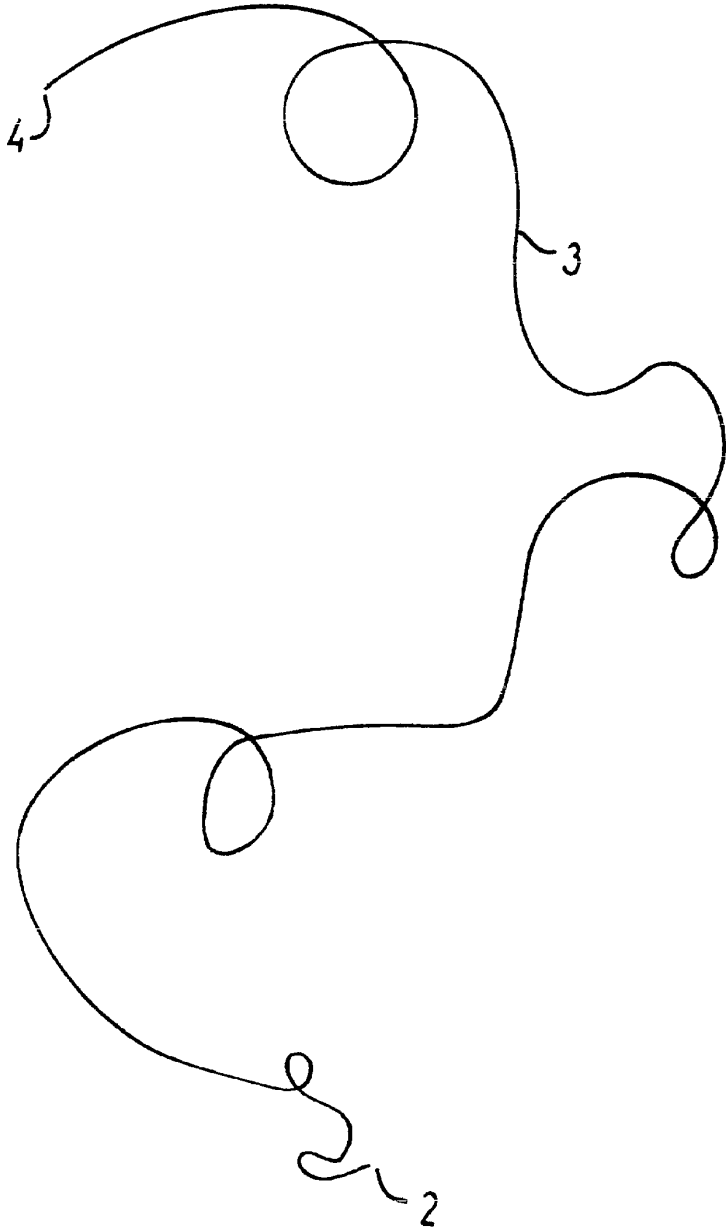


FIG. 9

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