

- [54] INTRAVASCULAR OCCLUDING CATHETER
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[57] ABSTRACT

A balloon type intravascular occluding catheter comprising a first and second flexible tube and a tapered nose at one terminal end of the tubes. An elastic annulus circumscribes the tubes rearwardly of, but adjacent to the nose and is connected in such a manner as to be inflatable to form a balloon by fluid applied through apertures in the first of the tubes which underlies the annulus of flexible material. A trocar is removably disposed in the second tube, the trocar having a vessel piercing tip thereon, and an aperture in the nose which is aligned with the trocar to permit entrance and egress of the tip beyond the nose so as to engage the vessel wall for penetration thereof and entry of the catheter thereinto. Thereafter the balloon may be inflated so as to occlude the vessel and, if desired, the trocar may be removed to inject medication or the like through the second tube.

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18 Claims, 12 Drawing Figures

