Title (en)

LOW PROFILE CATHETER.

Title (de)

KATHETER MIT NIEDRIGEM PROFIL.

Title (fr)

CATHETER A PROFIL BAS.

Publication

EP 0502958 A1 19920916 (EN)

Application

EP 91900550 A 19901119

Priority

US 44215789 A 19891128

Abstract (en)

[origin: WO9108014A1] An angioplasty catheter comprising an inner (10) and outer (12) tubular members, each having a proximal and distal segment. The distal segment (20) of the outer body member (12) is softer than the proximal segment (18) of the outer body member (12). Similarly, the distal segment (16) of the inner body member (10) is softer than the proximal segment (14) of the inner body member (10). The proximal segment of the inner body member is harder than the proximal segment of the outer body member. The distal segment (20) of the outer body member (12) is softer than the distal segment (16) of the inner body member (10). A balloon (26) spans the distal segments (16, 20) of the inner and outer body members, effectively closing off an annulus created between the nested inner and outer body members. The combination of hardnesses provides for sufficient body strength to allow pushability, combined with sufficient distal softness to avoid trauma to the arterial walls during insertion.

Abstract (fr)

Cathéter d'angioplastie comprenant des éléments tubulaires intérieur (10) et extérieur (12), présentant chacun des segments proximal et distal. Le segment distal (20) de l'élément de corps extérieur (12) est plus souple que le segment proximal (18) de ce dernier (12). De même, le segment distal (16) de l'élément de corps intérieur (10) est plus souple que le segment proximal (14) de ce dernier (10). Le segment proximal de l'élément de corps intérieur est plus dur que le segment proximal de ce dernier. Le segment distal (20) de l'élément de corps extérieur (12) est plus souple que le segment distal (16) de l'élément de corps intérieur (10). Un ballon (26) couvre les segments distaux (16, 20) des éléments de corps intérieur et extérieur, fermant efficacement un anneau créé entre les éléments de corps intérieur et extérieur emboîtés. La combinaison de duretés donne une résistance suffisante au corps pour permettre une capacité de poussée, combinée à une souplesse distale suffisante permettant d'éviter un trauma aux parois artérielles pendant l'insertion.

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