

Title (en)
LOW PROFILE CATHETER

Publication
EP 0502958 A4 19920930 (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.

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A61M 29/02

IPC 8 full level
A61M 25/00 (2006.01); **A61M 29/02** (2006.01)

CPC (source: EP)
A61M 25/0054 (2013.01); **A61M 25/104** (2013.01); **A61M 2025/0006** (2013.01)

Citation (search report)

- [X] WO 8908471 A1 19890921 - LEOCOR INC [US]
- [A] EP 0330376 A2 19890830 - BARD INC C R [US]
- [A] US 4819751 A 19890411 - SHIMADA LYNN M [US], et al
- See references of WO 9108014A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 9108014 A1 19910613; EP 0502958 A1 19920916; EP 0502958 A4 19920930; JP H05501658 A 19930402

DOCDB simple family (application)
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