

[54] METHOD FOR THE ELIMINATION OR THE ENLARGEMENT OF POINTS OF CONSTRICTION IN VESSELS CARRYING BODY FLUIDS

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[57] ABSTRACT

For the provision of an apparatus to lessen or remove points of constriction in vessels of all types whereby ruptures and tears are to be avoided in the vessel walls and, during the treatment of stenosis in blood vessels, the danger of infarction is to be avoided, through use of a treatment catheter (1) that is equipped with two expandable balloons (4, 5) which seal off both sides of a point of constriction (6) in a vessel, whereby the degree of expansion of both balloons (4, 5) can be controlled externally, it is proposed that there be mounted in the wall of the treatment catheter (1) within the region confined by the balloons (4, 5) an inlet piece (A) for the supply of media capable of dissolving or crumbling into smaller particles the material (7) at the point of constriction and an outlet piece (B) for the removal of the material (7) dissolved or crumbled at the point of constriction, whereby these pieces are connected with an externally accessible conduit (10, 11) (FIG. 1).

10 Claims, 11 Drawing Figures

