

Title (en)
ANGIOPLASTY CATHETER AND METHOD OF USE THEREOF

Publication
EP 0294374 A4 19910102 (EN)

Application
EP 87900475 A 19861202

Priority
• US 8602617 W 19861202
• US 32162188 A 19880726

Abstract (en)
[origin: WO8804157A1] Device for use in removing undesired material, e.g., occlusion or plaque, from a duct or blood vessel within a patient's body. The device comprises a catheter (21) adapted to be disposed within a duct and an element disposed adjacent to the distal end portion of the catheter such as fiber optic (25) emitting laser energy, a heated element (51) or a knife (62) for intersecting and releasing the undesired material. An inflatable bladder (29) is provided for positioning the distal end portion of the catheter adjacent the inner surface of the duct to maintain the element for intersecting and releasing the undesired material adjacent thereto. The device can also include a pair of abutments (22, 23) disposed adjacent the distal end portion of the catheter to form a chamber adjacent the inner surface of the blood vessel for receiving the undesired material and for preventing the escape of laser energy.

IPC 1-7
A61B 17/36

IPC 8 full level
A61B 18/20 (2006.01); **A61B 18/24** (2006.01); **A61B 18/28** (2006.01); **A61B 17/22** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP)
A61B 18/20 (2013.01); **A61B 18/245** (2013.01); **A61B 18/28** (2013.01); **A61B 90/39** (2016.02); **A61B 2017/22052** (2013.01); **A61B 2018/00636** (2013.01)

Citation (search report)
• EP 0163502 A2 19851204 - DEVICES VASCULAR INTERVENTION [US]
• WO 8301893 A1 19830609 - UNIV CALIFORNIA [US]
• EP 0178464 A2 19860423 - XINTEC CORP [US]
• WO 8500510 A1 19850214 - WEBSTER WILTON W JR
• US 4587972 A 19860513 - MORANTTE JR BERNARDO D [US]
• See references of WO 8804157A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8804157 A1 19880616; EP 0294374 A1 19881214; EP 0294374 A4 19910102

DOCDB simple family (application)
US 8602617 W 19861202; EP 87900475 A 19861202