

Title (en)
ANATOMICAL PROBE

Title (de)
ANATOMISCHE SONDE

Title (fr)
SONDE ANATOMIQUE

Publication
EP 0987980 A1 20000329 (EN)

Application
EP 98915020 A 19980409

Priority
• GB 9801045 W 19980409
• GB 9707414 A 19970411

Abstract (en)
[origin: WO9846123A1] A probe (10) for examining body parts has a first fibre optic wire (40) which can illuminate the walls of a blood vessel (20) or internal organ, for example, with infrared light. The light is reflected from the walls and collected by a lens system which contains a reflective ball (60) and a collimating lens (70). The light then enters a plurality of fibre optic detector wires (80) situated within the first, illuminating fibre optic wire (40). This signal is fed first to a frequency shifter (150) to generate visible light and then to a monitor (160) which allows real time imaging of the walls of the blood vessel (20). The probe provides high resolution imaging coupled with a small diameter. For diseased blood vessels, therefore, it is thus possible to deploy the probe together with a standard 1 millimetre diameter balloon catheter (200) to permit detection and treatment of arterial disease substantially simultaneously.

IPC 1-7
A61B 5/00; **A61B 17/22**

IPC 8 full level
A61B 5/00 (2006.01); **A61B 5/107** (2006.01); **A61M 29/02** (2006.01)

CPC (source: EP)
A61B 5/0084 (2013.01); **A61B 5/0086** (2013.01); **A61B 5/1076** (2013.01); **A61M 25/104** (2013.01)

Citation (search report)
See references of WO 9846123A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9846123 A1 19981022; AU 6930998 A 19981111; EP 0987980 A1 20000329; GB 9707414 D0 19970528

DOCDB simple family (application)
GB 9801045 W 19980409; AU 6930998 A 19980409; EP 98915020 A 19980409; GB 9707414 A 19970411