

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.

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IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
See references of WO 9846123A1

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