Title (en)

DELIVERY SYSTEM FOR PULSED EXCIMER LASER LIGHT

Publication

EP 0525184 A4 19960807 (EN)

Application

EP 92908434 A 19920219

Priority

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- US 65715791 A 19910219

Abstract (en)

[origin: WO9214515A1] A catheter system has a catheter with an outer sheath which has an outer diameter. A central guidewire lumen is arranged within the outer sheath; and a plurality of optical fibers is disposed between the central guidewire lumen and the outer sheath. The outer diameter of the outer sheath and the central guidewire lumen are substantially constant except at the distal end wherein the diameter is expanded. In yet another embodiment of the present invention, an eccentric guidewire lumen (306) includes a fountain pen-like tip (310) that forms a leading point of the catheter (300). The optical fibers (302) are also arranged in a manner that conforms to the shape of the tip. In another embodiment of the present invention, a balloon is used to lock an outer catheter to a vessel wall while an inner catheter advances through the vessel to ablate a lesion therein.

IPC 1-7

A61N 5/06

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Citation (search report)

- [XY] US 3452742 A 19690701 - MULLER WOLF F
- [Y] US 4802461 A 19890207 - CHO GEORGE [US]
- [E] WO 9203964 A1 19920319 - ADAIR EDWIN LLOYD [US]
- See references of WO 9214515A1

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