

Title (en)  
LIGHT DELIVERY SYSTEM WITH BLOOD FLUSHING CAPABILITY

Title (de)  
ANORDNUNG ZUR EINKOPPLUNG VON LICHT IN BLUT

Title (fr)  
SYSTEME DE PROJECTION D'UN FAISCEAU LUMINEUX AVEC FONCTION DE RIN AGE DU SANG

Publication  
**EP 1024757 A4 20010829 (EN)**

Application  
**EP 97913880 A 19971027**

Priority  
US 9719667 W 19971027

Abstract (en)  
[origin: CA2307654A1] A light delivery system (10) for use in irradiating vascular tissue includes a balloon catheter (12) with a working lumen (14) for receiving an optical fiber (28) therein and an inflation/flushing lumen (16) adapted to receive a liquid at a proximal end and leading to a space defined within the balloon member (32) attached to the distal end of the catheter. The balloon member (32) has a pattern of holes or pores (36) in the wall thereof through which the saline solution may flow when the balloon is inflated, causing any blood or other absorbing substances that may interfere with good radiant energy transmission to be flushed away from the treatment area.

IPC 1-7  
**A61B 17/36**

IPC 8 full level  
**A61M 25/00** (2006.01); **A61N 5/06** (2006.01)

CPC (source: EP)  
**A61N 5/06** (2013.01); **A61N 2005/0661** (2013.01)

Citation (search report)

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- [Y] US 4799479 A 19890124 - SPEARS J RICHARD [US]
- [A] EP 0311458 A2 19890412 - BARD INC C R [US]
- See references of WO 9921494A1

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AU 5095898 A 19990517; AU 736989 B2 20010809; CA 2307654 A1 19990506; EP 1024757 A1 20000809; EP 1024757 A4 20010829; JP 2001520910 A 20011106

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