

Title (en)

OPTICALLY GUIDED SYSTEM FOR PRECISE PLACEMENT OF A MEDICAL CATHETER IN A PATIENT

Title (de)

OPTISCH GEFÜHRTES SYSTEM FÜR DIE PRÄZISE PLATZIERUNG EINES MEDIZINISCHEN KATHETERS IN EINEM PATIENTEN

Title (fr)

SYSTEME A GUIDAGE OPTIQUE POUR LE PLACEMENT PRECIS D'UN CATHETER MEDICAL DANS UN PATIENT

Publication

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Application

EP 05802549 A 20051004

Priority

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Abstract (en)

[origin: CA2585858A1] A system is provided comprising an optically-guided catheter having a proximal end, a distal end, and at least one lumen. A light-emitting means is coupled to the catheter, the catheter is inserted into place in the patient, and light is emitted as a point or points from a selected location, usually the distal tip, of the catheter to which it is coupled. The system further comprises an external detection device that detects the transdermally projected light, emitted by the light-emitting point from within the patient, thereby indicating precise placement of the catheter within the patient.

IPC 8 full level

A61B 5/06 (2006.01)

CPC (source: EP)

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Citation (search report)

- [AD] US 4567882 A 19860204 - HELLER RICHARD M [US]
- [X] US 5517997 A 19960521 - FONTENOT MARK G [US]
- [A] US 2002108610 A1 20020815 - CHRISTOPHER KENT L [US]
- [AD] US 5417688 A 19950523 - ELSTROM JOHN A [US], et al
- See references of WO 2006049787A2

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