

Title (en)

LIGHT EMITTING DIODE SOURCE FOR PHOTODYNAMIC THERAPY.

Title (de)

LICHTEMITTIERENDE DIODE ALS LICHTQUELLE FÜR DIE PHOTODYNAMISCHE THERAPIE.

Title (fr)

DIODES ELECTROLUMINESCENTES UTILISEES POUR LA THERAPIE PHOTODYNAMIQUE.

Publication

EP 0680361 A4 19990526 (EN)

Application

EP 94906636 A 19940112

Priority

- US 9400506 W 19940112
- US 353793 A 19930113

Abstract (en)

[origin: WO9415666A1] A system comprising a fluid cooled array of light emitting diodes (LEDs) for producing red (660 NM) light for photodynamic therapy is disclosed. The light is produced by a plurality of overdriven, water cooled LEDs arrayed on a preferably disposable puck. The LED puck (13) is releasably connected to an interchangeable LED hand piece (12). The system can be configured for illumination of flat surfaces such as for treatment of the chest or back, or for cylindrical surfaces such as found in the cervix or colon, by proper selection of the LED hand piece (12) and puck design (13).

IPC 1-7

A61N 1/00; **A61N 1/30**; **A61N 5/00**

IPC 8 full level

A61N 5/06 (2006.01); **A61N 5/00** (2006.01)

CPC (source: EP)

A61N 5/062 (2013.01); **A61N 2005/005** (2013.01); **A61N 2005/0644** (2013.01); **A61N 2005/0652** (2013.01)

Citation (search report)

- [X] US 4822335 A 19890418 - KAWAI YOSHIO [JP], et al
- [X] DE 4108328 A1 19920917 - DURANGO HOLDING GMBH [DE]
- [PX] WO 9321842 A1 19931111 - QUADRA LOGIC TECH INC [CA], et al
- See references of WO 9415666A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

WO 9415666 A1 19940721; AU 6028494 A 19940815; AU 681376 B2 19970828; CA 2153337 A1 19940721; CA 2153337 C 20021217; EP 0680361 A1 19951108; EP 0680361 A4 19990526

DOCDB simple family (application)

US 9400506 W 19940112; AU 6028494 A 19940112; CA 2153337 A 19940112; EP 94906636 A 19940112