

Title (en)  
LIGHT DELIVERY STRUCTURE FOR USE IN INTRAMEDULLARY TRANSILLUMINATION APPARATUS AND METHOD FOR PRODUCING SAME

Title (de)  
LICHTABGABEKONSTRUKTION ZUR VERWENDUNG IN EINEM INTRAMEDULLÄREN TRANSILLUMINATIONSGERÄT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
STRUCTURE DE DISTRIBUTION DE LUMIÈRE DESTINÉE À ÊTRE UTILISÉE DANS UN APPAREIL DE TRANSILLUMINATION INTRA-MÉDULLAIRE ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication  
**EP 2285302 A4 20130501 (EN)**

Application  
**EP 09733847 A 20090421**

Priority  
• US 2009041248 W 20090421  
• US 4651608 P 20080421

Abstract (en)  
[origin: WO2009131999A2] Apparatus (10), and a method for producing such apparatus, for use in the repair of bones using an intramedullary nail insertable into a patient's bone, the intramedullary nail having a hollow body portion and a distal transverse hole, the apparatus comprising a tube (14) for insertion into the nail, the tube having an opening (20) through which light from a light source emitting electromagnetic non-ionizing radiation in the infrared or visible portions of the electromagnetic spectrum is emitted, an optical conduit such as a bundle of optical fibers in the tube for conducting light from a light source to the opening; an optical element (22), which can be cast in place, providing a light transparent reflective surface disposed in the tube, the reflector being sized, shaped and positioned to receive light from the optical fibers and to internally reflect the light so that the light exits the tube through the opening.

IPC 8 full level  
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CPC (source: EP)  
**A61B 17/1703** (2013.01); **A61B 17/7011** (2013.01); **A61B 17/72** (2013.01); **A61B 17/1725** (2013.01)

Citation (search report)  
• [XA] FR 2877832 A1 20060519 - BOUVET JEAN CLAUDE [FR]  
• [A] US 5417688 A 19950523 - ELSTROM JOHN A [US], et al  
• See references of WO 2009131999A2

Designated contracting state (EPC)  
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DOCDB simple family (application)  
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