

Title (en)  
MEDICAL LIGHT TREATMENT APPARATUS.

Title (de)  
LICHTTHERAPIEGERÄT.

Title (fr)  
APPAREIL DE PHOTOTHERAPIE.

Publication  
**EP 0599966 A4 19950201 (EN)**

Application  
**EP 92918195 A 19920824**

Priority  
• AU 9200449 W 19920824  
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• AU PL264792 A 19920527

Abstract (en)  
[origin: WO9303793A1] A medical light treatment apparatus (MLTA - 10, 100, 200, 300) for use in the medical treatment of biological structures by application of light energy - particularly laser light energy. The MLTA (10, 100, 200, 300) monitors the light reflected back from the biological structure and boosts the light energy output by the laser (12) to couple a desired amount of light energy into the biological structure to effect a known medical treatment. The MLTA (10, 100, 200, 300) has a self-calibrating monitor to monitor the operational characteristics of the laser (12) and adjusts the driving characteristics of the laser (12) to ensure that the laser (12) operates at a substantially constant wavelength. In such manner the MLTA (10, 100, 200, 300) has very accurate control over the laser (12) and can thus serve as a laboratory grade instrument for use in analysing the further medical effects of the laser (12).

IPC 1-7  
**A61N 5/06**; H01S 3/10; H01S 3/13

IPC 8 full level  
**A61N 5/06** (2006.01); **H01S 3/10** (2006.01); **H01S 3/13** (2006.01); **H01S 5/068** (2006.01); **A61B 17/00** (2006.01); **A61N 5/067** (2006.01)

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Citation (search report)  
• [A] DE 3012150 A1 19801002 - OLYMPUS OPTICAL CO  
• [A] US 4309671 A 19820105 - MALYON DEREK J  
• [PXPA] DE 9204621 U1 19920730  
• See references of WO 9303793A1

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