

Title (en)
IRRADIATION APPARATUSSES

Title (de)
BESTRAHLUNGSVORRICHTUNGEN

Title (fr)
APPAREIL ET PROCEDE DE MODIFICATION A L'AIDE DE DEL

Publication
EP 1690302 A2 20060816 (EN)

Application
EP 04812483 A 20041201

Priority

- US 2004039962 W 20041201
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- US 86923504 A 20040616
- US 86923604 A 20040616
- US 86923704 A 20040616

Abstract (en)
[origin: WO2005057670A2] A radiation modifying apparatus comprises a plurality of solid state radiation sources to generate radiation that modifies a first material such as by curing or creating alignment through polarization. The solid state radiation sources can be disposed in an array pattern. Optical concentrators, arranged in a corresponding array pattern, receive radiation from corresponding solid state radiation sources. The concentrated radiation is received by a plurality of optical waveguides, also arranged in a corresponding array pattern. Each optical waveguide includes a first end to receive the radiation and a second end to output the radiation. The radiation modifying apparatus can be utilized for continuous substrate, sheet, piece part, spot curing, and/or 3D radiation-cure processes.

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Citation (search report)
See references of WO 2005057669A2

Cited by
US10132484B2; USRE46325E

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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WO 2005057670 A2 20050623; **WO 2005057670 A3 20051103**; BR PI0417172 A 20070306; BR PI0417183 A 20070306; BR PI0417190 A 20070306; EP 1690302 A2 20060816; EP 1697681 A2 20060906; EP 1697682 A2 20060906; JP 2007512954 A 20070524; JP 2007515270 A 20070614; JP 2007521622 A 20070802; KR 20060115910 A 20061110; KR 20060115911 A 20061110; KR 20060121264 A 20061128; MX PA06006279 A 20060825; MX PA06006280 A 20060825; MX PA06006281 A 20060825; WO 2005057669 A2 20050623; WO 2005057669 A3 20070208; WO 2005057671 A2 20050623; WO 2005057671 A3 20051201

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