

Title (en)
IRRADIATION APPARATUSES

Title (de)
BESTRAHLUNGSVORRICHTUNGEN

Title (fr)
APPAREIL ET PROCEDE DE MODIFICATION DE DIODES ELECTROLUMINESCENTES

Publication
EP 1697681 A2 20060906 (EN)

Application
EP 04812644 A 20041201

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- US 2004040182 W 20041201
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- US 86923504 A 20040616
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- 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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