

Title (en)

DIGITAL MICROMIRROR DEVICE HAVING A WINDOW TRANSPARENT TO ULTRAVIOLET (UV) LIGHT

Title (de)

DIGITALE MIKROSPIEGEL-VORRICHTUNG MIT FÜR ULTRAVIOLETTES (UV) LICHT TRANSPARENTEM FENSTER

Title (fr)

DISPOSITIF DE MICRO-MIROIR NUMERIQUE COMPRENANT UNE FENETRE TRANSPARENTE A LA LUMIERE ULTRAVIOLETTE (UV)

Publication

EP 1613203 A4 20091209 (EN)

Application

EP 04758020 A 20040323

Priority

- US 2004008735 W 20040323
- US 39566103 A 20030324
- US 39566203 A 20030324
- US 39566003 A 20030324

Abstract (en)

[origin: WO2004084710A2] A UV-transmissible window assembly for a DMD device includes a UVtransmissible glass window provided in a frame. The window and frame are bonded together to preferably effect a hermetic seal therebetween. Optical coatings specific to the intended wavelength of light transmission are applied to the inner and outer surfaces of the glass window to reduce reflection and increase light transmission therethrough. The window assembly, and DMD provided with the same, is adapted for excellent transmission of ultraviolet light, even at the deep ultraviolet portion of the spectrum. The DMD window assembly has application in the medical arts, both surgery and device manufacture, in the production of integrated circuits (IC), and in other optical lithography applications, among other fields.

IPC 8 full level

G02B 1/02 (2006.01); **G02B 26/00** (2006.01); **G02B 26/08** (2006.01)

IPC 8 main group level

A61B (2006.01)

CPC (source: EP)

B81B 7/0067 (2013.01); **G02B 26/0833** (2013.01); **B81B 2201/042** (2013.01)

Citation (search report)

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- See references of WO 2004084710A2

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CN110200574A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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