

Title (en)

PLASMA SURFACE TREATMENT OF SILICONE HYDROGEL CONTACT LENSES

Title (de)

OBERFLÄCHENBEHANDLUNG VON SILIKONHYDROGEL-KONTAKTLINSEN MITTELS EINES PLASMAS

Title (fr)

TRAITEMENT D'UNE SURFACE DE LENTILLE DE CONTACT AU PLASMA

Publication

**EP 1080139 A1 20010307 (EN)**

Application

**EP 99918763 A 19990421**

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Abstract (en)

[origin: WO9957178A1] The present invention provides an optically clear, hydrophilic coating upon the surface of a silicone hydrogel lens by subjecting the surface of the lens to a process comprising plasma treatment, hydration, and heat sterilization that is controlled to result in a silicate-containing film having a mosaic pattern of projecting plates surrounded by fissures when viewing a 50x50 micron square AFM image in which the surface is nitrogen enriched compared to the pre-plasma treated lens.

IPC 1-7

**C08J 7/06**; **G02B 1/04**

IPC 8 full level

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