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(54) Title: PLASMA SURFACE TREATMENT OF SILICONE HYDROGEL CONTACT LENSES**(57) Abstract**

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.

