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Havenstrite et al.

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(54) **CONTACT LENS WITH A HYDROPHILIC LAYER**

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See application file for complete search history.

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(57) **ABSTRACT**

Embodiments of the technology relate to a contact lens having a core that is covalently coated by a hydrogel layer, and to methods of making such a lens. In one aspect, embodiments provide for a coated contact lens comprising a lens core comprising an outer surface; and a hydrogel layer covalently attached to at least a portion of the outer surface, the hydrogel layer adapted to contact an ophthalmic surface, wherein the hydrogel layer comprises a hydrophilic polymer population having a first PEG species and a second PEG species, the first PEG species being at least partially cross-linked to the second PEG species.

33 Claims, 48 Drawing Sheets

