Title (en)

HYDROGEL BASED ON COPOLYMERS CONTAINING SILICONE

Title (de)

HYDROGEL BASIEREND AUF SILIKONHALTIGEN COPOLYMEREN

Title (fr)

HYDROGEL À BASE DE COPOLYMÈRES CONTENANT DE LA SILICONE

Publication

EP 2286283 A1 20110223 (DE)

Application

EP 09761548 A 20090423

Priority

- EP 2009054885 W 20090423
- DE 102008002375 A 20080612

Abstract (en)

[origin: WO2009149985A1] The invention relates to a hydrogel that is a copolymer of a polymerizable monomer mixture which contains a) 10-65 mole percent of at least one hydrophobic vinyl monomer of formula (I), where R1 represents hydrogen or methyl, p is an integer ranging from 1 to 8, and in which the hydroxy groups are provided in a protected form, b) 25-70 mole percent of at least one (meth)acrylate, vinyl carbonate, or vinyl carbamate monomer containing silicone, c) 0-25 mole percent of at least one hydrophilic vinyl monomer, and d) 0-10 mole percent of at least one cross-linking agent relative to the total amount of monomers a) to c). The hydroxy groups of the segments formed by monomers a) are provided in a protected or free form in the hydrogel. Said hydrogel can be used for producing contact lenses or intraocular lenses.

IPC 8 full level

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CPC (source: EP US)

C08F 230/085 (2020.02 - EP US); **G02B 1/043** (2013.01 - EP US); C08F 220/282 (2020.02 - EP US); C08F 222/102 (2020.02 - EP US)

Citation (search report)

See references of WO 2009149985A1

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