

Title (en)
SILICONE-HYDROGEL COMPOUND FOR SOFT CONTACT LENS AND SOFT CONTACT LENS PRODUCED USING THE COMPOUND

Title (de)
SILIKON-HYDROGEL-MASSE FÜR WEICHE KONTAKTLINSE UND UNTER VERWENDUNG DER MASSE HERGESTELLTE WEICHE KONTAKTLINSE

Title (fr)
COMPOSÉ D'HYDROGEL DE SILICONE POUR LENTILLES DE CONTACT SOUPLES ET LENTILLES DE CONTACT SOUPLES FABRIQUÉES EN UTILISANT LE COMPOSÉ

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EP 2170992 A4 20100804 (EN)

Application
EP 07833407 A 20071018

Priority
• KR 2007005098 W 20071018
• KR 20070061970 A 20070625

Abstract (en)
[origin: WO2009001987A1] The present invention relates to a silicone hydrogel composition for a soft contact lens and a soft contact lens using the same which comprises silicone N,O-bis(trimethylsilyl)acrylamide monomer and 2-hydroxyethyl methacrylate added with water soluble N-vinyl-2-pyrrolidone or N,N-dimethylacrylamide monoer to improve hydrophilic property and a cross-linking agent such as ethylene glyx>l dimethacrylate or divinyl benzene to provide a hydrophilic property, high water content rate, high oxygen permeability, good elongation and optical transmission.

IPC 8 full level
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A61F 2/16 (2013.01 - KR); **C08F 226/10** (2013.01 - EP US); **G02B 1/043** (2013.01 - EP); **C08F 220/20** (2013.01 - EP KR)

C-Set (source: EP KR US)
EP
1. **G02B 1/043 + C08L 101/14**
2. **G02B 1/043 + C08L 33/10**
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4. **G02B 1/043 + C08L 33/14**
5. **C08F 220/20 + C08F 226/10 + C08F 230/08 + C08F 222/102**
6. **C08F 220/20 + C08F 226/10 + C08F 230/08 + C08F 212/36**
7. **C08F 220/20 + C08F 220/54 + C08F 230/08 + C08F 222/102**
8. **C08F 220/20 + C08F 220/54 + C08F 230/08 + C08F 212/36**
KR US
C08F 220/20 + C08F 226/10 + C08F 230/08 + C08F 222/102

Citation (search report)
• [A] GB 1441939 A 19760707 - CIBA GEIGY AG
• [A] DASGUPTA A ET AL: "SYNTHESIS AND POLYMERIZATION OF N,O-BIS(TRIMETHYLSILY)ACRYLAMIDE: A PROTECTED ACRYLAMIDE", MACROMOLECULES, AMERICAN CHEMICAL SOCIETY, US LNKD- DOI:10.1021/MA00084A062, vol. 27, no. 6, 1 January 1994 (1994-01-01), pages 1665 - 1667, XP000960602, ISSN: 0024-9297
• See references of WO 2009001987A1

Cited by
CN102382226A

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WO 2009001987 A1 20081231; AU 2007355828 A1 20081231; AU 2007355828 A8 20100318; AU 2007355828 B2 20110303; CA 2686938 A1 20081231; CA 2686938 C 20130402; CN 101688042 A 20100331; CN 101688042 B 20120111; EP 2170992 A1 20100407; EP 2170992 A4 20100804; JP 2010531474 A 20100924; JP 5432133 B2 20140305; KR 101231181 B1 20130207; KR 20080113467 A 20081231; RU 2009146491 A 20110727; RU 2434899 C2 20111127; UA 92126 C2 20100927

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