

Title (en)
THERMOFORMABLE OPHTHALMIC LENS

Title (de)
THERMOFORMBARE OPHTHALMISCHE LINSE

Title (fr)
LENTILLE OPHTHALMIQUE THERMOFORMABLE

Publication
EP 1216142 A4 20030611 (EN)

Application
EP 00947389 A 20000714

Priority
• US 0019287 W 20000714
• US 14444599 P 19990716

Abstract (en)
[origin: WO0105578A1] A melt processable hydrogel block copolymer is made from hydrophilic and hydrophobic monomers and has sufficient internal association without crosslinking to provide a dimensionally stable hydrogel at temperatures up to at least about 60 DEG C. The polymer may be thermally processed into an ophthalmic device, and then hydrated into a hydrogel material. Optionally, the polymer may undergo treatment before, during or after hydration to form crosslinks.

IPC 1-7
B29D 11/00; A61F 2/16; C08F 226/06; C08F 220/20; C08L 51/00; C08L 53/00; A45C 13/10

IPC 8 full level
B29D 11/00 (2006.01); **C08F 8/00** (2006.01); **C08F 220/24** (2006.01); **C08F 220/38** (2006.01); **C08F 220/56** (2006.01); **C08F 290/14** (2006.01); **C08J 3/075** (2006.01); **G02B 1/04** (2006.01); **G02C 7/04** (2006.01)

CPC (source: EP US)
B29D 11/00442 (2013.01 - EP); **C08F 220/56** (2013.01 - EP US); **G02B 1/043** (2013.01 - EP); **C08F 220/54** (2013.01 - EP)

Citation (search report)
• [X] EP 0137686 A2 19850417 - MINNESOTA MINING & MFG [US]
• See references of WO 0105578A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0105578 A1 20010125; AU 6100700 A 20010205; CA 2379385 A1 20010125; EP 1216142 A1 20020626; EP 1216142 A4 20030611; JP 2003504503 A 20030204; NO 20020216 D0 20020115; NO 20020216 L 20020307

DOCDB simple family (application)
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