

Title (en)
IMPROVED OCULAR IMPLANTS AND METHODS FOR THEIR MANUFACTURE

Publication
EP 0551383 A4 19931103 (EN)

Application
EP 91918249 A 19910920

Priority
• US 59248390 A 19901005
• US 9400060 W 19940105

Abstract (en)
[origin: WO9205694A1] A method for modifying an ocular implant polymer surface (10) by the gamma-irradiation or electron beam irradiation induced polymerization thereon of N-vinylpyrrolidone, 2-hydroxyethylmethacrylate or a mixture thereof while maintaining the following conditions: (a) monomer concentration in the range of from about 0.1 % to about 50 % by weight; (b) total gamma dose in the range of from about 0.001 to less than 0.50 Mrad; and (c) gamma dose rate in the range of from about 10 to about 2500 rads/minute or electron beam irradiation dose rate in the range of from about 10 to about 10<8> rads/minute.

IPC 1-7
A61L 27/00

IPC 8 full level
A61F 2/14 (2006.01); **A61F 2/16** (2006.01); **A61L 27/00** (2006.01); **A61L 27/16** (2006.01); **A61L 27/34** (2006.01); **B05D 7/02** (2006.01); **C08F 291/00** (2006.01); **C08J 7/18** (2006.01); **G02B 1/04** (2006.01); **A61F 2/00** (2006.01); **B05D 3/06** (2006.01)

CPC (source: EP US)
A61F 2/14 (2013.01 - EP); **A61F 2/16** (2013.01 - EP US); **A61L 27/16** (2013.01 - EP); **A61L 27/34** (2013.01 - EP); **B05D 7/02** (2013.01 - EP); **G02B 1/043** (2013.01 - EP); **A61F 2/1648** (2013.01 - US); **A61F 2002/0086** (2013.01 - EP); **A61L 2400/18** (2013.01 - EP); **A61L 2430/16** (2013.01 - EP); **B05D 3/068** (2013.01 - EP)

Citation (search report)
• [A] US 4459318 A 19840710 - HYANS THOMAS E [US]
• [AD] CHEMICAL ABSTRACTS, vol. 92, no. 24, 16 June 1980, Columbus, Ohio, US; abstract no. 203547f, page 330 ;
• See references of WO 9205694A1

Designated contracting state (EPC)
GB

DOCDB simple family (publication)
WO 9205694 A1 19920416; CA 2052836 A1 19920406; CA 2052836 C 19980203; EP 0551383 A1 19930721; EP 0551383 A4 19931103; JP H06502782 A 19940331; TW 202466 B 19930321

DOCDB simple family (application)
US 9106729 W 19910920; CA 2052836 A 19911004; EP 91918249 A 19910920; JP 51698091 A 19910920; TW 81103767 A 19920515