

Title (en)
POLYMERIC INTRAOCULAR LENS MATERIAL HAVING IMPROVED SURFACE PROPERTIES AND INTRAOCULAR LENS CONSTRUCTION.

Title (de)
POLYMERISCHES INTRAOKULARES LINSENATERIAL MIT VERBESSERTEN OBERFLÄCHENEIGENSCHAFTEN SOWIE INTRAOKULARE LINSENKONSTRUKTION.

Title (fr)
MATERIAU A BASE DE POLYMERES A SURFACE DOTE DE PROPRIETES AMELIOREES POUR FABRIQUER DES LENTILLES INTRA-OCULAIRES ET FABRICATION DE CELLES-CI.

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Application
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Priority
US 8700931 W 19870424

Abstract (en)
[origin: WO8808287A1] An intraocular lens (10) is described that includes an optic portion (20) formed of an optically suitable polymer or glass material that has been coated by a fluorocarbon polymer (22). A haptic element or device (21) of the IOL is attached to the optic. The resulting low-energy IOL surface induces significantly reduced cell damage when contacted with corneal endothelial tissues. The fluorocarbon polymer coating is preferably applied by exposing IOL surfaces to a plasma formed from a gaseous fluorocarbon monomer. The resulting IOL causes substantially less damage to corneal endothelial cells during implantation.

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IPC 8 full level
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CPC (source: EP)
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Citation (search report)

- [XD] WO 8701040 A1 19870226 - WASHINGTON RES FOUND [US]
- [Y] EP 0172618 A2 19860226 - KELMAN CHARLES D
- [YD] US 4170043 A 19791009 - KNIGHT PATRICIA M [US], et al
- [A] US 4373218 A 19830215 - SCHACHAR RONALD A [US]
- See references of WO 8808287A1

Designated contracting state (EPC)
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