Title (en)

METHOD FOR THE PASSIVATION OF AN INTRAOCULAR LENS

Title (de)

VERFAHREN ZUR PASSIVIERUNG EINER INTRAOKULARLINSE

Title (fr)

PROCEDE DE PASSIVATION D'UNE LENTILLE INTRA-OCULAIRE

Publication

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Application

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Abstract (en)

[origin: DE10123012C1] The invention relates to a method for the passivation of the surface of an intraocular lens, the surface of which comprises reactive Bronsted sites. Conventional methods of the above type create changes on the original material and exhibit undesired interactions with medical adjuncts. The aim of the invention is to describe a method in which the intraocular lens is passivated and coated in an advantageous manner and only minimal changes are brought about on the original material. Said aim is achieved, whereby the intraocular lens is dipped in a solution of a fluoroalkylsilane of general formula RF - (CH2)n - Si - (O-R)3, where R = H, CH3, C2H5, or C3H7 and the fluoroalkyl group RF = CF3 (CF2)m where m = 3 to 11 and n = 0 to 4, whereby the Bronsted centres on the surface are deactivated by formation of Si-O bonds.

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