

Title (en)  
KIT FOR IMPLANTING AN INTRA-OCULAR LENS

Title (de)  
SET ZUM IMPLANTIEREN EINER INTRAOKULAREN LINSE

Title (fr)  
APPAREIL D'IMPLANTATION D'UNE LENTILLE INTRAOCULAIRE

Publication  
**EP 1455690 A1 20040915 (DE)**

Application  
**EP 02787319 A 20021129**

Priority

- CH 0200646 W 20021129
- CH 21952001 A 20011130
- CH 7922002 A 20020508
- CH 7932002 A 20020508
- CH 14682002 A 20020828

Abstract (en)  
[origin: WO03045285A1] In order to introduce an intra-ocular lens (41) into the capsular sac of the eye, excess pressure is generated to propel a lens (41) that is floating in a lubricant (39) out of the injector nozzle. The compressible, deformable plunger (23) can adapt to the nozzle channel that tapers towards the front. The lens (41) becomes more folded as it continues along its path, having an extremely small diameter when it reaches the end of said path. The incision can thus be extremely small. The kit comprises a lens carrier (11) and a lens (41). The lens (41) is held in the lens carrier (11) in a stress-free manner. The lens (41) and lens carrier (11) are preferably held by a support (57) and are packed in sterile packaging until required for use, in the case of a hydrophilic lens in a liquid that protects said lens from drying out. During the operation, the lens carrier (11), together with the lens (41) stored therein, is removed from the packaging, folded and inserted into the injector. The channel (89) is then filled with a viscoelastic liquid. The lens (41) can then be injected into the capsular sac of the eye to be treated. There is thus no risk of the lens being damaged during the folding process and the injection.

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**A61F 2/16**

IPC 8 full level  
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CPC (source: EP US)  
**A61F 2/1678** (2013.01 - EP US); **A61F 2/1691** (2013.01 - EP US)

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