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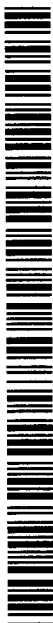
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(54) Title: INTRAOCULAR LENS IMPLANTER

(57) **Abstract:** A device for deforming and ejecting a deformable intraocular lens for insertion into a small incision in an eye, the device comprising a) a housing, b) a lens transporting duct in a front part of the housing defining a duct axis, the duct having a front end with a cross-section adapted to the lens in deformed state with small maximum dimensions transversal to the duct axis, a rear lens-receiving end with a cross-section adapted for the lens in un-deformed state, or less deformed state, than at the front end, with larger maximum dimensions lateral to the duct axis than at the front end and an intermediate convergent duct part between the front and rear ends with a varying cross-section shape, having decreasing maximum dimensions lateral to the duct axis when moving from rear to front in the duct and c) a plunger operative to displace the lens in the duct at least in the forward direction. According to various aspects of the invention part of the duct has the overall shape of a crescent, the plunger is re-shapeable between different height to width ratios, the device has fixing structures for preventing lens rotation and the plunger is driven with a preprogrammed movement pattern. The invention also includes methods corresponding to the operational steps of the devices.