

Title (en)
ARRANGEMENT FOR LASER VITREOLYSIS

Title (de)
ANORDNUNG ZUR LASER-VITREOLYSE

Title (fr)
AGENCEMENT DESTINÉ À LA VITRÉOLYSE AU LASER

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Application
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Abstract (en)
[origin: WO2021069168A1] The present invention relates to an arrangement for the laser treatment of vitreous floaters. According to the invention, the arrangement for the laser vitreolysis of an eye consists of an OCDR system, a laser system having a deflection unit, optical elements for coupling the OCDR system and the laser system, a display unit and a central control and operating unit, wherein the OCDR system is designed to localize the position of a floater along the optical axis of the OCDR system. The laser system is designed to destroy the floaters by means of laser pulses, and the central control and operating unit is designed to focus the laser system onto the position of the floater and to activate it, in particular when the position of the laser focus and the floater match in a sufficient manner. The present invention relates to an arrangement for the gentle, low risk and painless laser treatment of vitreous floaters, which allows in particular a partially or fully automated therapy.

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