

Title (en)

METHOD FOR DRILLING AN OPHTHALMIC LENS TO OBTAIN THE DESIRED SHAPE AND DIMENSION OF A HOLE TO BE DRILLED IN SAID LENS

Title (de)

BOHRVERFAHREN FÜR BRILLENGLAS ZUR ERZIELUNG DER GEWÜNSCHTEN FORM UND GRÖSSE EINES IN DIESES GLAS ZU BOHRENDEN LOCHES

Title (fr)

PROCEDE DE PERÇAGE D'UNE LENTILLE OPHTALMIQUE ADAPTE OBTENIR LA FORME ET LA DIMENSION SOUHAITEES D'UN TROU PERCER DANS LADITE LENTILLE

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Application

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Priority

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Abstract (en)

[origin: WO2007104844A1] The invention concerns a method including the successive steps of storing the desired shape and dimensions of a hole (700) drilled in the lens and the position of said hole on the lens surface, positioning a drilling tool (637) opposite the first stored position of the hole to be drilled, for drilling the lens with a relatively forward simple or compound mobility of the drill relative to the lens along the axis of rotation of the drilling tool, then milling by transverse displacement of the drilling tool engaged in the lens according to a piloting rule of transverse displacement based on the desired shape and dimension of the drilled hole. The milling step includes at least one corrected milling pass for which the piloting rule of the transverse displacement of the drilling tool is corrected based on at least one of the mechanical and/or geometrical characteristics of the lens and/or the drilling tool so as to compensate for the flexure of the drill.

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