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- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

(54) **Title:** METHOD FOR DETERMINING GEOMETRICAL PARAMETERS OF A SOFT CONTACT LENS

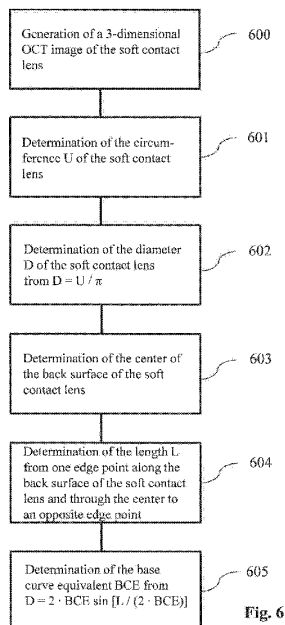


Fig. 6

(57) **Abstract:** A method for determining geometrical parameters of a soft contact lens comprises the steps of - providing an OCT imaging device comprising an OCT light source; - providing a soft contact lens - arranging the soft contact lens relative to the OCT imaging device so light coming from the OCT light source impinges on the back surface of the soft contact lens; - generating a three-dimensional OCT image of the soft contact lens; - from the three-dimensional OCT image determining a plurality of edge points located on the edge of the soft contact lens, - connecting adjacent ones of the edge points by individual straight lines; - summing up the lengths of all individual straight lines to a length U of the approximated circumference of the soft contact lens; - from the length U determining a diameter D of the lens according to $D = U / \pi$.

WO 2022/023979 A1

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