Title (en)
METHOD FOR CALCULATING A SPECTACLE LENS ON THE BASIS OF A BIG DATA APPROACH AND MACHINE LEARNING

Title (de)
VERFAHREN ZUR BERECHNUNG EINES BRILLENGLASES BASIEREND AUF EINEM BIG DATA ANSATZ UND AUF MASCHINELLEM LERNEN

Title (fr)
PROCÉDÉ DE CALCUL D'UNE LENTILLE DE LUNETTES SUR LA BASE D'UNE APPROCHE DE DONNÉES VOLUMINEUSES ET D'UN APPRENTISSAGE AUTOMATIQUE

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Application
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Abstract (en)
[origin: WO2022096454A1] The invention relates to a computer-implemented method for determining biometric data of an eye and to a corresponding method for producing spectacle lenses while taking into consideration the determined biometric data. The invention additionally relates to corresponding computer program products and devices. The method for determining biometric data has the steps of: providing individual pieces of standard data of the user, wherein the standard data comprises prescription data comprising a prescription for distance and/or close vision of at least one of the eyes of the user; and calculating individual pieces of additional data, which comprise at least one individual biometric parameter of the at least one eye of the user, using the individual standard data and using a statistical model, which describes a relationship between the standard data and the additional data. The statistical model is derived using a statistical analysis of a training data set with a plurality of reference data sets, and each of the reference data sets comprises standard data and additional data assigned to the standard data.

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See references of WO 2022096454A1

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