Title (en)
METHODS AND SYSTEMS FOR DETERMINING REFRACTIVE CORRECTONS OF HUMAN EYES FOR EYEGLASSES

Title (de)
VERFAHREN UND SYSTEME ZUR BESTIMMUNG VON REFRAKTIVEN KORREKTUREN DES MENSCHLICHEN AUGES FÜR BRILLEN

Title (fr)
MÉTHODES ET SYSTÈMES PERMETTANT DE DÉTERMINER DES CORRECTIONS DE RÉFRACTION DE L'OEIL HUMAIN POUR DES LUNETTES

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EP 17796581 A 20170503

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Abstract (en)
[origin: WO2017196603A1] Methods, devices, and systems are disclosed for determining refractive corrections of human eyes to reduce and eliminate image distortion associated with eyeglasses. In some embodiments, an objective refraction module is configured to measure refractive errors of an eye objectively, without subjective feedback from a tested subject. A computation module is configured to generate a plurality of objective prescriptions. A phoropter module is configured to perform a subjective refraction for determining a plurality of subjective spherical powers based on the plurality of objective prescriptions. An output module is configured to generate a plurality of prescriptions for eyeglasses, the plurality of prescriptions comprising (a) a first prescription having a first subjective spherical power fs1, a first objective cylinder power Fc1, and a first objective cylinder angle Fa1, and (b) a second prescription having a second subjective spherical power fs2, a second objective cylinder power Fc2, and a second objective cylinder angle Fa2.

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- See references of WO 2017196603A1

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