

Title (en)

METHOD FOR DETERMINING THE OPTICAL CENTRE POINT OF THE LENSES OF SPECTACLES TO BE MANUFACTURED FOR A SPECTACLES WEARER

Title (de)

VERFAHREN ZUM BESTIMMEN DES OPTISCHEN MITTELPUNKTS DER GLÄSER EINER FÜR EINEN BRILLENTRÄGER ANZUFERTIGENDEN BRILLE

Title (fr)

PROCÉDÉ DE DÉTERMINATION DU CENTRE OPTIQUE DES VERRES D'UNE PAIRE DE LUNETTES À FABRIQUER POUR UN PORTEUR DE LUNETTES

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Application

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Abstract (en)

[origin: WO2020168370A1] The invention relates to a method and a device for determining the optical centre point of the lenses of spectacles to be manufactured for a spectacles wearer, whose head is imaged from the front using a digital camera (10), with the location of the pupils (16) and the pupil distance (20, 21) being determined with the aid of an image evaluation program to establish the optical centre point of the lenses. According to the invention, to create advantageous conditions, the face of the spectacles wearer is imaged with a measuring frame (1) held on the head by a nose bridge (4) and wings (3) with a gaze directed to a fixed point (13) assigned statically to the camera (10); two lateral marker points (7) and a centre marker point (8) located in front of said lateral marker points (7) are provided in a front section (2) of the measuring frame (1); the angles of the lines of view (15) in respect of the image plane are determined with the aid of the image evaluation program from the mutual distances and locations of the image points of the three marker points (7, 8) and of the pupils (16) measured in the facial imaging, before the measuring points (19), corrected with respect to parallel lines of view (17), are established to determine the pupil distances (20, 21) in respect of the nose bridge (4).

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