

Title (en)

METHOD AND DEVICE FOR RECOGNIZING A FACE AND FACE RECOGNITION MODULE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERKENNEN EINES GESICHTS SOWIE EIN GESICHTSERKENNUNGSMODUL

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR RECONNAÎTRE UN VISAGE ET MODULE DE RECONNAISSANCE DE VISAGE

Publication

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Application

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Abstract (en)

[origin: WO2008034646A1] The invention relates to a method (1) for recognizing a face (101; 181), comprising recognizing three-dimensional face information of a face (100; 181) by means a 3D recognition unit (182) in the form of a face information data set, wherein the detected face information encompasses location information of surface contours of the face (100; 182). Normalizing the detected face information, wherein a position normalization step and an orientation normalization step are performed. And comparing a feature data set derived from the normalized detected face information to at least one previously known feature data set of a previously known face. The face (100; 181) is recognized as the previously known face if one or more predefined comparison criteria are fulfilled, wherein the location information encompasses contour coordinates (169) and a frequency distribution (176, 177) is determined for evaluation regions (124-137; 170-175), indicating how many contour coordinates (168) are located within the individual evaluation regions (124-137; 170-175), and the feature data set is derived from the determined frequency. The invention further relates to a device (108) for face recognition and to a face recognition module (200).

IPC 8 full level

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