

Title (en)

SYSTEMS AND METHODS FOR DETECTING A SPECULAR REFLECTION PATTERN FOR BIOMETRIC ANALYSIS

Title (de)

SYSTEME UND VERFAHREN ZUR ERKENNUNG EINES SPIEGELREFLEXIONSMUSTERS FÜR BIOMETRISCHE ANALYSEN

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR DÉTECTER UN MOTIF DE RÉFLEXION SPÉCULAIRE POUR UNE ANALYSE BIOMÉTRIQUE

Publication

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Application

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Abstract (en)

[origin: WO2012177542A1] Embodiments provide rapid detection of specular reflection patterns in eye images, which can then be analyzed to determine the quality of the image for biometric analysis. For example, systems and methods receive at least one image of an eye from an image capture system. The image capture system includes a camera and one or more illuminators that direct light at the eye while the camera captures the at least one image. The eye reflects the light from the illuminators to create a specular reflection pattern in the at least one image. The specular reflection pattern is located/identified and a quality of the at least one image of the eye, e.g., a focus measure, is determined based on the specular reflection pattern. A location of iris texture in the at least one image may be identified according to a location of the specular reflection pattern and analyzed for a focus measure.

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