

Title (en)

SYSTEM AND METHODS FOR AUTHENTICATING VITAL SIGN MEASUREMENTS FOR BIOMETRICS DETECTION USING PHOTOPLETHYSMOGRAPHY VIA REMOTE SENSORS

Title (de)

SYSTEM UND VERFAHREN ZUR AUTHENTIFIZIERUNG VON VITALZEICHENMESSUNGEN ZUR BIOMETRISCHEN ERKENNUNG DURCH FOTOPLETHYSMOGRAFIE DURCH ENTFERLTE SENSOREN

Title (fr)

SYSTÈME ET PROCÉDÉS D'AUTHENTIFICATION DE MESURES DE SIGNES VITAUX POUR UNE DÉTECTION BIOMÉTRIQUE À L'AIDE D'UNE PLÉTHYSMOGRAPHIE OPTIQUE VIA DES CAPTEURS DISTANTS

Publication

EP 3432790 A1 20190130 (EN)

Application

EP 17769567 A 20170322

Priority

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- IL 2017050361 W 20170322

Abstract (en)

[origin: WO2017163248A1] A method of authenticating vital sign measurements for biometrics detection via a mobile device comprises the steps of: (a) obtaining video of a first body region and a second body region of said user via said at least one front camera sensor and at least one back camera sensor, respectively; (b) extracting pulsatile signals of said user using photoplethysmography imaging (PPGi) analysis of said video obtained from said first and second body regions; and (c) calculating a first heart rate value (FHRV) and a second heart rate value (SHRV). The videos are obtained simultaneously and a comparative output value between first heart rate value (FHRV) and a second heart rate value (SHRV) is calculated.

IPC 8 full level

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CPC (source: EP US)

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