

Title (en)
DEVICE AND METHOD FOR PROCESSING VIDEO DATA TO DETECT LIFE

Title (de)
VORRICHTUNG UND VERFAHREN ZUR VERARBEITUNG VON VIDEODATEN ZUR ERKENNUNG DER LEBENSDAUER

Title (fr)
DISPOSITIF ET PROCEDE DE TRAITEMENT DE DONNEES VIDEOS POUR DETECTION DU VIVANT

Publication
EP 4292013 A1 20231220 (FR)

Application
EP 22708998 A 20220215

Priority
• FR 2101447 A 20210215
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Abstract (en)
[origin: WO2022171970A1] Device for analysing video data, comprising: a first analyser (6) designed to perform a remote photoplethysmography measurement on video data (25) which are to be analysed and which have been received as input, the analyser comprising a separator (20) designed to determine areas of interest (27) in the video data (25) to be analysed, an aggregator (22) designed to determine a remote photoplethysmography signal from the video data (25) to be analysed relating to each area of interest, and a computer (24) designed to calculate a spectral signal from the photoplethysmography signal and to extract one or more physiological signals (29) therefrom; a tester (8) designed to receive the one or more physiological signals (29) and to return a first human presence value; a second analyser (10) designed to receive the video data to be analysed and to apply a neural network to said data in order to extract a second human presence value therefrom, the neural network being trained using video data similar to the video data to be analysed and sets of characteristics extracted from said video data, obtained by local analysis and/or by machine learning; and a unifier (12) designed to receive the first and second human presence values and to return a unified human presence value.

IPC 8 full level
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