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METHOD AND DEVICE FOR DETECTING SLEEPINESS USING MOVING IMAGE-BASED PHYSIOLOGICAL SIGNAL

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Abstract of WO2015152536 (A1)

Disclosed are a method and a device for reliably and accurately measuring a psychophysiological parameter in a subject. The measurement method comprises the steps of: acquiring a moving image from a psychophysiological test subject via a moving image; measuring a vibration parameter of the test subject from the moving image; generating a biological signal image on the basis of the vibration parameter; and generating a psychophysiological reaction parameter of the test subject by processing the biological signal image.



- 11 ... Acquire moving image of driver
 12 ... Image analysis/vibration parameter
 13 ... Generate (extract) physiological signal
 14 ... Predict and detect driver's sleepiness