

Title (en)
SYSTEM FOR REAL-TIME MEASUREMENT OF THE ACTIVITY OF A COGNITIVE FUNCTION AND METHOD FOR CALIBRATING SUCH A SYSTEM

Title (de)
SYSTEM ZUR ECHTZEITMESSUNG DER AKTIVITÄT EINER KOGNITIVEN FUNKTION UND VERFAHREN ZUR KALIBRIERUNG SOLCH EINES SYSTEMS

Title (fr)
SYSTEME DE MESURE EN TEMPS REEL DE L'ACTIVITE D'UNE FONCTION COGNITIVE ET PROCEDE DE CALIBRATION D'UN TEL SYSTEME

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Application
EP 18811176 A 20181121

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Abstract (en)
[origin: WO2019101807A1] The invention concerns a method for calibrating a system for real-time measurement of the activity of a cognitive function of a test subject, the method comprising the successive steps of: acquiring electrical signals representative of a neural activity of a test subject; calculating values of markers of the cognitive function activity; generating a plurality of copies of calculated values of markers and adding noise to the generated copies; and, constructing a classifier by machine learning, based on the calculated marker values and noisy copies, the classifier being suitable for measuring the activity of the cognitive function of the test subject by calculating a probability that an electrical signal representative of the neural activity of the test subject results from a predetermined activity state of the cognitive function of the test subject.

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