Title (en)

MEASURING SYSTEM FOR MEASURING THE HAND/EYE REACTION ABILITY

Title (de)

MESSSYSTEM ZUR MESSUNG DER HAND-AUGE-REAKTIONSFÄHIGKEIT

Title (fr)

SYSTÈME DE MESURE POUR MESURER UNE RÉACTIVITÉ MAIN-OEIL

Publication

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Application

EP 20756874 A 20200819

Priority

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Abstract (en)

[origin: WO2021037631A1] The invention relates to a measuring system for reproducibly measuring reaction time profiles in the case of a complex neurocognitive problem. The measuring system comprises a measurement body, at least one power source, at least one holding device, at least one trigger unit, at least one first sensor unit for measuring acceleration, at least one second sensor unit, at least one data transmission interface and at least one data processing unit. The invention likewise relates to a method for quantifying reaction times, within the scope of which the measuring system is used. This largely avoids human influences when carrying out the trials. As a result of external data processing, the measuring system is able to form an autonomously growing and anonymous data basis, which increases in accuracy as a result of the continuously increasing amount of data therein. Consequently, this also facilitates statements about potentially dangerous changes in the reaction times up to the indication and/or identification of neurodegenerative diseases.

IPC 8 full level

A61B 5/00 (2006.01); **A61B 5/01** (2006.01); **A61B 5/11** (2006.01); **A61B 5/16** (2006.01)

CPC (source: EP IL KR US)

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Citation (search report)

See references of WO 2021037631A1

Designated contracting state (EPC)

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