

Title (en)

DEVICE AND METHOD FOR THE REAL-TIME CONTROL OF AN EFFECTOR

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ECHTZEIT-ANSTEUERUNG EINEAS EFFEKTORS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE COMMANDE TEMPS RÉEL D'UN ACTIONNEUR

Publication

EP 1988965 A1 20081112 (DE)

Application

EP 07704536 A 20070212

Priority

- EP 2007051360 W 20070212
- DE 102006008495 A 20060223

Abstract (en)

[origin: WO2007096269A1] The invention relates to a device for the real-time control of an effector, which device comprises a bleeder electrode for determining input signals from the neuronal activity of the brain of a patient and a data processing system having an evaluation unit for calculating control signals for the effector based on the input signals. The evaluation unit is adapted to the training for determining a prediction model and the calculation of the control signals from the input signals taking into consideration the prediction model. The neuronal activity is produced by natural neuronal information processing processes of the brain.

IPC 8 full level

A61N 1/36 (2006.01)

CPC (source: EP US)

A61F 2/72 (2013.01 - EP US); **A61N 1/36003** (2013.01 - EP); **A61N 1/36025** (2013.01 - EP)

Citation (search report)

See references of WO 2007096269A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007096269 A1 20070830; DE 102006008495 A1 20070906; DE 102006008495 B4 20180125; EP 1988965 A1 20081112; JP 2009531077 A 20090903

DOCDB simple family (application)

EP 2007051360 W 20070212; DE 102006008495 A 20060223; EP 07704536 A 20070212; JP 2008555746 A 20070212