

Title (en)

METHOD OF CONSTRUCTING A DATA STRUCTURE REPRESENTATIVE OF A DYNAMIC REORGANIZATION OF A PLURALITY OF BRAIN NETWORKS, CORRESPONDING DEVICE AND PROGRAMME

Title (de)

VERFAHREN ZUR KONSTRUKTION EINER DATENSTRUKTUR, DIE EINE DYNAMISCHE REORGANISATION EINER VIELZAHL VON GEHIRNNETZEN REPRÄSENTIERT, ZUGEHÖRIGE VORRICHTUNG UND PROGRAMM

Title (fr)

PROCEDE DE CONSTRUCTION D'UNE STRUCTURE DE DONNEES REPRESENTATIVE D'UNE REORGANISATION DYNAMIQUE D'UNE PLURALITE DE RESEAUX CEREBRAUX, DISPOSITIF ET PROGRAMME CORRESPONDANT

Publication

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Application

**EP 16723662 A 20160331**

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Abstract (en)

[origin: WO2017008926A1] The invention relates to a method of determining an activation sequence of a set of brain networks, in the course of a predetermined cognitive task, a method implemented by way of an electronic device comprising means for obtaining data of encephalographic activities. Such a method comprises:- a step of obtaining (10) at least one time series of encephalographic activity data, according to a predetermined sampling value, said activity data being representative of a signal picked up at the cranial surface by at least one pickup device, during the execution of said predetermined cognitive task by at least one individual, step delivering a set comprising at least one vector of measurements per sample of the time series; - for each vector of measurements, a step of determining (20) a connectivity between cortical sources, said cortical sources being obtained on the basis of measurements of a measurement vector, delivering a connectivity network; - a step of grouping (30) the connectivity networks as a function of a resemblance parameter delivering a set of groups of grouped connectivity networks, each being representative, at a given instant, of an activity of a given brain network.

IPC 8 full level

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