Title (en)

METHOD AND AUTOMATED SYSTEM FOR ASSISTING IN THE PROGNOSIS OF ALZHEIMER S DISEASE, AND METHOD FOR TRAINING SUCH A SYSTEM

Title (de)

VERFAHREN UND AUTOMATISIERTES SYSTEM ZUR UNTERSTÜTZUNG DER PROGNOSE VON MORBUS ALZHEIMER SOWIE VERFAHREN ZUM ERLERNEN EINES SOLCHEN SYSTEMS

Title (fr)

PROCEDE ET SYSTEME AUTOMATISE D'ASSISTANCE AU PRONOSTIC DE LA MALADIE D'ALZHEIMER, ET PROCEDE D'APPRENTISSAGE D'UN TEL SYSTEME

Publication

EP 2277143 A2 20110126 (FR)

Application

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Priority

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• FR 0853158 A 20080515

Abstract (en)

[origin: WO2009150349A2] The invention relates to a method and an automated system for assisting in the prognosis of the progress of, and for assisting in the diagnosis of, Alzheimer's disease in patients having mild cognitive impairment, or MCI. The invention also relates to a method for training such a system related to identifying discriminant regions of the brain and using said regions to fine tune the assistance method based on new known cases. The invention uses imaging data (PET or MPET) representing the cerebral activity in a plurality of spatial areas (voxels). The method thus includes an image data standardization process and an analysis of cerebral activity values noted in a selection of voxels forming at least one predetermined discriminant region defined by the coordinates thereof in a spatial reference system. The invention may also include a combination of the imaging results with the results of one or more cognitive tests.

IPC 8 full level

G06T 7/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2009150349A2

Cited by

EP3836019A1; WO2021115734A1

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Designated extension state (EPC)

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