

Title (en)

METHOD AND APPARATUS FOR CLASSIFICATION OF SEIZURE TYPE AND SEVERITY USING ELECTROMYOGRAPHY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KLASSIFIZIERUNG DES TYPUS UND SCHWEREGRADDES VON ANFÄLLEN MITTELS ELEKTROMYOGRAFIE

Title (fr)

PROCÉDÉ ET APPAREIL DE CLASSIFICATION DU TYPE ET DE LA GRAVITÉ D'UNE CRISE D'ÉPILEPSIE À L'AIDE DE L'ÉLECTROMYOGRAPHIE

Publication

EP 3076867 A4 20171004 (EN)

Application

EP 14868097 A 20141202

Priority

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- US 201461969660 P 20140324
- US 201461979225 P 20140414
- US 201462001302 P 20140521
- US 201462032147 P 20140801
- US 201462050054 P 20140912
- US 2014068246 W 20141202

Abstract (en)

[origin: WO2015084899A1] A method and apparatus for monitoring a patient for seizure activity including collecting and processing EMG signal data and categorizing tire detected data to execute risk stratification. A transmission protocol that is tailored for detected events may be selected and executed.

IPC 8 full level

A61B 5/00 (2006.01); **A61B 5/02** (2006.01); **A61B 5/0488** (2006.01); **G06F 3/0484** (2013.01); **G06F 19/00** (2011.01); **A61B 5/145** (2006.01)

CPC (source: EP US)

A61B 5/0002 (2013.01 - EP); **A61B 5/389** (2021.01 - EP US); **A61B 5/4094** (2013.01 - EP); **A61B 5/7282** (2013.01 - EP); **G16H 40/67** (2017.12 - EP US); **G16H 50/30** (2017.12 - EP); **A61B 5/14542** (2013.01 - EP); **A61B 5/7264** (2013.01 - EP); **A61B 2505/07** (2013.01 - EP); **A61B 2560/0242** (2013.01 - EP); **A61B 2562/0219** (2013.01 - EP); **G16H 50/20** (2017.12 - EP US)

Citation (search report)

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- [Y] M R JAMES ET AL: "Pulse oximetry during apparent tonic-clonic seizures", THE LANCET, vol. 337, 16 February 1991 (1991-02-16), pages 394 - 395, XP055396741
- [A] CHE-CHANG YANG AND YEH-LIANG HSU: "A review of accelerometry-based wearable motion detectors for physical activity monitoring", MEDLINE,, vol. 10, no. 8, 20 August 2010 (2010-08-20), pages 7772 - 7788, XP002694955, DOI: 10.3390/S100807772
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- See references of WO 2015084899A1

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