

Title (en)

METHOD AND DEVICE TO MEASURE DISRUPTIONS IN A CONTROLLED ELECTROMAGNETIC FIELD

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MESSUNG VON STÖRUNGEN IN EINEM KONTROLLIERTEN ELEKTROMAGNETISCHEN FELD

Title (fr)

MÉTHODE ET DISPOSITIF POUR MESURER LES PERTURBATIONS DANS UN CHAMP ÉLECTROMAGNÉTIQUE CONTRÔLÉ

Publication

EP 4213121 A1 20230719 (EN)

Application

EP 22382020 A 20220117

Priority

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Abstract (en)

A method and device to measure disruptions in a controlled electromagnetic field comprising: a CEMF shield module; an electrode management module; a CEMF front-end module; a CEMF acquisition module; a memory module; a communications module; and a system manager module. This invention refers to a device comprising a controlled electromagnetic field (CEMF controlled electromagnetic field) sensor physically integrated in an ASIC (Application-Specific Integrated Circuit). Another object of this invention is a method to measure electromagnetic fields surrounding a conductor, as well as a plurality of uses for the sensor in different technical applications, such as the localisation of people, mixed reality, devices, IoT, domestic and industrial security applications, robotics, military applications, and security applications for transporting cargo and people, work-related and domestic prevention and security applications and applications for the logistics sector and fluid control and detection in bathrooms.

IPC 8 full level

G08B 13/24 (2006.01)

CPC (source: EP)

G08B 13/2491 (2013.01)

Citation (applicant)

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Citation (search report)

No Search

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