

Title (en)
SYSTEM, DEVICE AND METHOD FOR DETERMINING AND/OR ASSESSING BRAIN RELATED CONDITIONS BASED ON PUPIL LIGHT RESPONSE

Title (de)
SYSTEM, VORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG UND/ODER BEWERTUNG VON HIRNASSOZIIERTEN ZUSTÄNDEN BASIEREND AUF EINER PUPILLENLICHTREAKTION

Title (fr)
SYSTÈME, DISPOSITIF ET PROCÉDÉ DE DÉTERMINATION ET/OU D'ÉVALUATION DE PATHOLOGIES LIÉES AU CERVEAU SUR LA BASE DE LA RÉPONSE DE LA PUPILLE À LA LUMIÈRE

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Application
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Priority
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Abstract (en)
[origin: WO2021161318A1] Provided herein are systems, devices and methods for monitoring the progression of, determining and/or assessing brain related conditions in a subject based on pupil light responses (PLRs) to chromatic light stimuli, in particular, by classifying the PLR based on one or more PLR parameter values, wherein the classifying allows monitoring the progression of, determining and/or assessing the brain related condition

IPC 8 full level
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Citation (search report)
• [X] WO 2018203828 A1 20181108 - SINGAPORE HEALTH SERV PTE LTD [SG]
• [X] EP 1127534 A2 20010829 - MATSUSHITA ELECTRIC WORKS LTD [JP]
• [X] US 2016262611 A1 20160915 - ROTENSTREICH YGAL [IL]
• [X] US 2017347878 A1 20171207 - MILEA DAN [SG], et al
• [X] BERMAN G ET AL: "Decreased retinal sensitivity in depressive disorder: a controlled study", ACTA PSYCHIATRICA SCANDINAVICA, MUNKSGAARD, COPENHAGEN, DE, vol. 137, no. 3, 15 January 2018 (2018-01-15), pages 231 - 240, XP071044664, ISSN: 0001-690X, DOI: 10.1111/ACPS.12851
• [X] PALANCA-CASTAN NICOLAS ET AL: "Chromatic pupillometry for the characterization of the pupillary light reflex in Octodon degus", EXPERIMENTAL EYE RESEARCH, ACADEMIC PRESS LTD, LONDON, vol. 190, 2 November 2019 (2019-11-02), XP086022673, ISSN: 0014-4835, [retrieved on 20191102], DOI: 10.1016/J.EXER.2019.107866
• See references of WO 2021161318A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2021161318 A1 20210819; CN 115426935 A 20221202; EP 4103038 A1 20221221; EP 4103038 A4 20231025; IL 295444 A 20221001

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