

Title (en)

DEVICE TO MEASURE PUPILLARY LIGHT REFLEX IN INFANTS AND TODDLERS

Title (de)

VORRICHTUNG ZUR MESSUNG EINES PUPILLENLICHTREFLEXES BEI SÄUGLINGEN UND KLEINKINDERN

Title (fr)

DISPOSITIF DE MESURE DU RÉFLEXE PUPILLAIRE À LA LUMIÈRE CHEZ LES NOURRISSONS ET LES JEUNES ENFANTS

Publication

**EP 3065621 A4 20170614 (EN)**

Application

**EP 14860987 A 20141027**

Priority

- US 201314075479 A 20131108
- US 2014062386 W 20141027

Abstract (en)

[origin: WO2015069477A1] The present disclosure provides a pupillary light reflex (PLR) system, wherein the PLR system includes a remote tracking and imaging system that is structured and operable to generate and acquire high resolution pupil stimulus and response data from a test subject while the test subject is moving and is disposed a distance from remote tracking and imaging system that is greater than or equal to one-third of a meter. The PLR system additionally includes a computer based system controller that is structure and operable to execute PLR software to control the operation of the remote tracking and imaging system and compute PLR information based on the pupil stimulus and response data acquired as the test subject is moving.

IPC 8 full level

**A61B 3/10** (2006.01); **A61B 3/11** (2006.01); **A61B 3/113** (2006.01); **A61B 3/15** (2006.01)

CPC (source: EP)

**A61B 3/112** (2013.01); **A61B 3/113** (2013.01); **A61B 3/152** (2013.01)

Citation (search report)

- [I] US 2013250244 A1 20130926 - YAO GANG [US], et al
- [A] WO 2011144932 A1 20111124 - BAE SYSTEMS PLC [GB], et al
- [A] WO 2005094667 A2 20051013 - TORCH WILLIAM C [US]
- [A] US 2009132275 A1 20090521 - JUNG EDWARD K Y [US], et al
- [A] MENOZZI M ET AL: "Messbrille zur Erfassung von Augen-, Kopfbewegungen und Pupillendurchmesser", BIOMEDIZINISCHE TECHNIK, FACHVERLAG SCHIELE UND SCHOEN GMBH. BERLIN, DE, vol. 36, no. 10, 1 October 1991 (1991-10-01), pages 253 - 259, XP002210644, ISSN: 0013-5585
- See references of WO 2015069477A1

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