

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization

International Bureau

(43) International Publication Date  
14 June 2018 (14.06.2018)



(10) International Publication Number  
**WO 2018/104894 A1**

(51) International Patent Classification:

A61B 3/00 (2006.01) A61B 5/00 (2006.01)

(21) International Application Number:

PCT/IB2017/057711

(22) International Filing Date:

07 December 2017 (07.12.2017)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

727230 07 December 2016 (07.12.2016) NZ

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,

HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(54) Title: STIMULUS AND EYE TRACKING SYSTEM

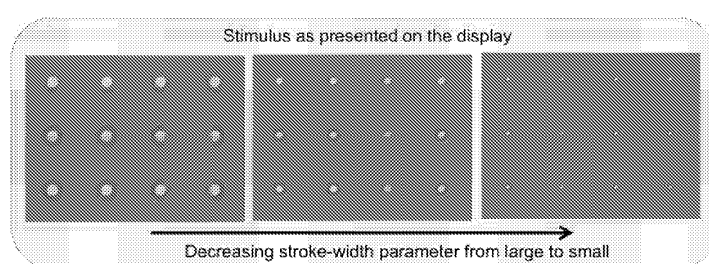


FIGURE 5

(57) Abstract: A system and method for stimulus & eye tracking, useful for the determination of the presence or strength of optokinetic nystagmus (OKN) typically for assessing visual acuity, comprises providing a novel visual stimulus effective to elicit OKN, which includes varying the visibility of a visual stimulus element, or displaying a series of visual stimulus elements so that a later displayed element has different visibility relative to an earlier displayed element. Visual stimulus elements may vanish or appear by reducing or increasing intensity, contrast, size and/or width of the elements or element boundaries. Visual stimulus elements comprise a perimeter that is darker than a background and a centre that is lighter than the background, and/or a perimeter that is lighter than a background and a centre that is darker than the background.



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