

Title (en)
APPARATUS AND METHOD FOR OPERATING A REAL TIME LARGE DIOPTER RANGE SEQUENTIAL WAVEFRONT SENSOR

Title (de)
VORRICHTUNG UND VERFAHREN ZUM BETRIEB EINES SEQUENZIELLEN ECHTZEIT-WELLENFRONTSSENSORS MIT GROSSEM DIOPTRIENBEREICH

Title (fr)
APPAREIL ET PROCÉDÉ POUR LE FONCTIONNEMENT D'UN CAPTEUR DE FRONTS D'ONDE SÉQUENTIEL EN TEMPS RÉEL À LARGE PLAGE DE DIOPTRIES

Publication
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Application
EP 13792221 A 20131106

Priority
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Abstract (en)
[origin: WO2014074572A1] A sequential wavefront sensor including a light source (172), a beam deflecting element (112), a position sensing detector (122) configured to output a plurality of output signals and a plurality of composite transimpedance amplifiers (see Figure 11) each coupled to receive one of the detector output signals. The output of each composite transimpedance amplifier is phase-locked to a light source drive signal and a beam deflecting element drive signal.

IPC 8 full level
A61B 3/10 (2006.01); **A61B 3/103** (2006.01); **A61B 3/113** (2006.01); **A61F 9/008** (2006.01)

CPC (source: CN EP)
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Citation (search report)
See references of WO 2014074572A1

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US 2013068675 W 20131106; AU 2013341230 A 20131106; AU 2013341243 A 20131106; AU 2013341263 A 20131106; AU 2013341264 A 20131106; AU 2013341281 A 20131106; AU 2013341286 A 20131106; AU 2013341289 A 20131106; AU 2016208287 A 20160726; CA 2890608 A 20131106; CA 2890616 A 20131106; CA 2890623 A 20131106; CA 2890629 A 20131106; CA 2890634 A 20131106; CA 2890646 A 20131106; CA 2890651 A 20131106; CN 201380069083 A 20131106; CN 201380069101 A 20131106; CN 201380069103 A 20131106; CN 201380069116 A 20131106; CN 201380069120 A 20131106; CN 201380069125 A 20131106; CN 201380069128 A 20131106; CN 201611198005 A 20131106; EP 13792221 A 20131106; EP 13792222 A 20131106; EP 13792225 A 20131106; EP 13792226 A 20131106; EP 13792227 A 20131106; EP 13792229 A 20131106; EP 13795096 A 20131106; JP 2015540882 A 20131106; JP 2015540883 A 20131106; JP 2015540887 A 20131106; JP 2015540888 A 20131106; JP 2015540889 A 20131106; JP 2015540894 A 20131106; JP 2015540896 A 20131106; KR 20157015104 A 20131106; KR 20157015105 A 20131106; KR 20157015106 A 20131106; KR 20157015107 A 20131106; KR 20157015108 A 20131106; KR 20157015109 A 20131106; KR 20157015110 A 20131106; RU 2015121346 A 20131106; RU 2015121378 A 20131106; RU 2015121412 A 20131106; RU 2015121415 A 20131106; RU 2015121427 A 20131106; RU 2015121705 A 20131106; RU 2015121708 A 20131106; TW 102140407 A 20131106; TW 102140409 A 20131106; TW 102140411 A 20131106; TW 102140413 A 20131106; TW 102140414 A 20131106; TW 102140418 A 20131106; TW 102140419 A 20131106;

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