Title (en)
RETINAL FUNDUS SURVEILLANCE METHOD AND APPARATUS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR AUGENHINTERGRUNDÜBERWACHUNG

Title (fr)
PROCÉDÉ ET APPAREIL DE SURVEILLANCE DE FOND RÉTINIEN

Publication
EP 3019070 A4 20170322 (EN)

Application
EP 14822887 A 20140711

Priority
• US 201313940668 A 20130712
• CA 2014050663 W 20140711

Abstract (en)

[origin: WO2015003274A1] A method and apparatus for quantitative imaging of the retinal fundus. The method for retinal health assessment comprises imaging the retinal fundus of a patient's eye at different wavelengths within a spectral range and determining spectral reflectivity of the retina for each pixel within a field of view (FOV). The retinal health is assessed based on the spectral reflectivity of the retina. The metabolic and anatomical activity of the eye is monitored to detect, at the earliest stage, activity that could lead to the onset of blinding eye diseases such as macular degeneration, diabetic retinopathy, glaucoma, cataracts, etc.

IPC 8 full level
A61B 3/00 (2006.01); **A61B 3/12** (2006.01); **A61B 3/13** (2006.01); **A61B 3/14** (2006.01); **A61B 3/15** (2006.01)

CPC (source: EP)
A61B 3/12 (2013.01); **A61B 3/14** (2013.01); **A61B 3/15** (2013.01); **A61B 5/14555** (2013.01); **G01N 21/21** (2013.01); **G01N 21/55** (2013.01); A61B 5/7285 (2013.01); G01N 2201/062 (2013.01)

Citation (search report)
• [XY] US 2011043756 A1 20110224 - KAHN DAVID ALEXANDER [CA], et al
• [Y] EP 1143847 A2 20011017 - LEICA MICROSYSTEMS [CH]
• [Y] US 2008204658 A1 20080828 - VAN SAARLOOS PAUL PHILIP [AU]
• [Y] US 2009137893 A1 20090528 - SEIBEL ERIC [US], et al
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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 2015003274 A1 20150115; EP 3019070 A1 20160518; EP 3019070 A4 20170322; HK 1223534 A1 20170804

DOCDB simple family (application)
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