

Title (en)
SPECTRAL BIO-IMAGING OF THE EYE

Title (de)
SPEKTRALE BIO-BILDGEBUNG DES AUGES

Title (fr)
IMAGERIE BIOLOGIQUE SPECTRALE DE L'OEIL

Publication
EP 1182960 A1 20020306 (EN)

Application
EP 00922829 A 20000503

Priority
• IL 0000255 W 20000503
• IL 12984299 A 19990507
• US 30756999 A 19990510

Abstract (en)
[origin: WO0067635A1] A spectral bio-imaging method for enhancing pathologic, physiologic, metabolic and health related spectral signatures of an eye tissue, the method comprising the steps of: (a) providing an optical device for eye inspection being optically connected to a spectral imager; (b) illuminating the eye tissue with light via the iris, viewing the eye tissue through the optical device and spectral imager and obtaining a spectrum of light for each pixel of the eye tissue; and (c) attributing each of the pixels a color or intensity according to its spectral signature, thereby providing an image enhancing the spectral signatures of the eye tissue.

IPC 1-7
A61B 3/14

IPC 8 full level
G01N 21/64 (2006.01); **A61B 3/12** (2006.01); **A61B 3/14** (2006.01); **A61B 5/00** (2006.01); **G01J 3/28** (2006.01); **G01J 3/44** (2006.01); **G01J 3/50** (2006.01); **G01N 21/27** (2006.01); **G01N 21/33** (2006.01); **G01N 21/35** (2006.01); **A61B 5/0275** (2006.01); **G01J 3/46** (2006.01)

CPC (source: EP)
A61B 3/10 (2013.01); **A61B 5/0059** (2013.01); **A61B 5/0066** (2013.01); **A61B 5/14546** (2013.01); **A61B 5/411** (2013.01); **G01J 3/2823** (2013.01); **G01J 3/4406** (2013.01); **G01J 3/50** (2013.01); **G01J 3/502** (2013.01); **G06T 5/50** (2013.01); **G06T 7/90** (2016.12); **G06T 11/001** (2013.01); **A61B 5/0275** (2013.01); **A61B 5/1455** (2013.01); **A61B 5/14555** (2013.01); **A61B 5/7257** (2013.01); **G01J 3/462** (2013.01); **G01J 3/51** (2013.01); **G01J 2003/467** (2013.01); **G06T 2207/10152** (2013.01); **G06T 2207/30041** (2013.01)

Citation (search report)
See references of WO 0067635A1

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
WO 0067635 A1 20001116; AU 4310600 A 20001121; EP 1182960 A1 20020306; JP 2002543863 A 20021224

DOCDB simple family (application)
IL 0000255 W 20000503; AU 4310600 A 20000503; EP 00922829 A 20000503; JP 2000616669 A 20000503