

Title (en)
OPTICAL DEVICE AND IMAGING METHOD

Title (de)
OPTISCHE VORRICHTUNG UND ABBILDUNGSVERFAHREN

Title (fr)
DISPOSITIF OPTIQUE ET PROCEDE D'IMAGERIE

Publication
EP 1861995 A2 20071205 (EN)

Application
EP 06711042 A 20060308

Priority
• IB 2006050716 W 20060308
• EP 05101922 A 20050311
• EP 06711042 A 20060308

Abstract (en)
[origin: WO2006095314A2] An optical device comprises a body, the body housing a detector, a diffraction grating and a lens for focusing light reflected by the diffraction grating onto the detector. The body is provided with a window, the window for allowing light to pass from outside of the optical device to the diffraction grating. The diffraction grating, in a preferred embodiment, has a variable pitch, to achieve a linear imaging. The lens comprises a low numerical aperture lens, and the detector is aligned at an angle that is non-perpendicular to the optical axis of the imaging lens.

IPC 8 full level
H04N 1/03 (2006.01); **G02B 27/42** (2006.01)

CPC (source: EP)
G02B 27/42 (2013.01); **G02B 27/4238** (2013.01); **H04N 1/0303** (2013.01); **H04N 1/1017** (2013.01); **H04N 2201/02456** (2013.01)

Citation (search report)
See references of WO 2006095314A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006095314 A2 20060914; **WO 2006095314 A3 20061207**; EP 1861995 A2 20071205; JP 2008538010 A 20081002

DOCDB simple family (application)
IB 2006050716 W 20060308; EP 06711042 A 20060308; JP 2008500325 A 20060308