

Title (en)
DEVICE FOR DETECTING ELECTROMAGNETIC RADIATION

Title (de)
VORRICHTUNG ZUR ERKENNUNG VON ELEKTROMAGNETISCHER STRAHLUNG

Title (fr)
DISPOSITIF DE DÉTECTION D'UN RAYONNEMENT ÉLECTROMAGNÉTIQUE

Publication
EP 2633279 A1 20130904 (FR)

Application
EP 11787697 A 20111025

Priority
• FR 1004203 A 20101026
• FR 2011000573 W 20111025

Abstract (en)
[origin: WO2012056124A1] The device for detecting electromagnetic radiation comprises, on one and the same substrate (18): at least one active detector (7) for detecting the electromagnetic radiation (8), the detector being equipped with a first element (12) able to sense said radiation (8); at least one reference detector (10) comprising a second element (13) able to sense said electromagnetic radiation (8); and a shield (19) equipped with first reflective means for reflecting the incident electromagnetic radiation (8), said shield (19) covering the second sensing element (13) without making contact with it, and defining, with the substrate (18), a cavity (20) in which the reference detector (10) is housed. The shield (19) is conformal in order to improve the sensitivity of the detection device.

IPC 8 full level
G01J 5/02 (2006.01); **G01J 5/04** (2006.01); **G01J 5/06** (2006.01); **G01J 5/20** (2006.01)

CPC (source: EP US)
G01J 5/02 (2013.01 - EP US); **G01J 5/04** (2013.01 - EP US); **G01J 5/045** (2013.01 - EP US); **G01J 5/046** (2013.01 - EP US);
G01J 5/06 (2013.01 - EP US); **G01J 5/064** (2022.01 - EP); **G01J 5/068** (2022.01 - EP US); **G01J 5/10** (2013.01 - US);
G01J 5/20 (2013.01 - EP US); **G01J 5/064** (2022.01 - US); **G01J 5/0853** (2013.01 - EP US)

Citation (search report)
See references of WO 2012056124A1

Citation (examination)
• US 4891519 A 19900102 - NOHIRA TADASHI [JP], et al
• JP S61286722 A 19861217 - CANON KK
• JP 2001094288 A 20010406 - COMM RES LAB MPT, et al

Cited by
WO2024023402A1; FR3138517A1

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)
FR 2966595 A1 20120427; **FR 2966595 B1 20130125**; EP 2633279 A1 20130904; JP 2013542437 A 20131121; JP 5940551 B2 20160629;
US 2013240738 A1 20130919; US 8816283 B2 20140826; WO 2012056124 A1 20120503

DOCDB simple family (application)
FR 1004203 A 20101026; EP 11787697 A 20111025; FR 2011000573 W 20111025; JP 2013535479 A 20111025; US 201113881324 A 20111025