

Title (en)

DEVICE FOR DETECTING ELECTROMAGNETIC RADIATION

Title (de)

VORRICHTUNG ZUR ERKENNUNG VON ELEKTROMAGNETISCHER STRAHLUNG

Title (fr)

DISPOSITIF DE DÉTECTION DE RAYONNEMENT ÉLECTROMAGNÉTIQUE

Publication

**EP 2962077 A1 20160106 (FR)**

Application

**EP 14711550 A 20140226**

Priority

- FR 1300442 A 20130226
- FR 2014000047 W 20140226

Abstract (en)

[origin: WO2014131953A1] A circuit for detecting electromagnetic radiation comprises a photodetector (1) transforming the electromagnetic radiation received into an electric current. A reading circuit (2) is coupled to a first terminal of the photodetector (1) and configured to transform a signal in terms of current into a signal in terms of voltage (VS). A capacitor (3) has a first terminal coupled electrically to the first terminal of the photodetector (1) and a second terminal coupled electrically to the reading circuit (2). A resistor (R) has a first terminal coupled electrically to the capacitor (3) and to a first terminal of the photodetector (1). A polarisation circuit (4) is coupled electrically to a second terminal of the resistor (R) and configured to polarise the photodetector (1) during a first period of time by way of the resistor.

IPC 8 full level

**G01J 1/46** (2006.01)

CPC (source: EP US)

**G01J 1/46** (2013.01 - EP US); **G01J 2001/4466** (2013.01 - US)

Citation (search report)

See references of WO 2014131953A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3002630 A1 20140829; FR 3002630 B1 20150529**; EP 2962077 A1 20160106; US 2016003674 A1 20160107; US 9784612 B2 20171010; WO 2014131953 A1 20140904

DOCDB simple family (application)

**FR 1300442 A 20130226**; EP 14711550 A 20140226; FR 2014000047 W 20140226; US 201414770688 A 20140226