

Title (en)

DEVICE AND METHOD FOR DETECTING RADIATION PARTICLES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR DETEKTION VON STRAHLUNGSPARTIKELN

Title (fr)

DISPOSITIF ET PROCEDE DE DETECTION DE PARTICULES RAYONNANTES

Publication

**EP 3117242 A1 20170118 (FR)**

Application

**EP 15714862 A 20150311**

Priority

- FR 1452017 A 20140311
- FR 2015050604 W 20150311

Abstract (en)

[origin: WO2015136220A1] This device (10) for detecting radiation particles comprises at least one sensor (12) for sensing radiation particles, capable of supplying an electrical pulse (In) when it is traversed by at least one radiation particle, and at least one detection circuit comprising a voltage-controlled oscillator (14) to which said electrical pulse (In) originating from the sensor (12) is supplied as the control voltage. The voltage-controlled oscillator (14) is a ring oscillator (201, 202, 203, 22).

IPC 8 full level

**G01T 1/17** (2006.01); **G01T 1/24** (2006.01)

CPC (source: EP US)

**G01T 1/17** (2013.01 - EP US); **G01T 1/247** (2013.01 - EP US)

Citation (search report)

See references of WO 2015136220A1

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)

**WO 2015136220 A1 20150917**; EP 3117242 A1 20170118; FR 3018615 A1 20150918; FR 3018615 B1 20160506; US 2017017001 A1 20170119; US 9921317 B2 20180320

DOCDB simple family (application)

**FR 2015050604 W 20150311**; EP 15714862 A 20150311; FR 1452017 A 20140311; US 201515124623 A 20150311