

Title (en)

METHOD FOR CALIBRATING A GAMMA SPECTROMETER AND DEVICE ENABLING SUCH A CALIBRATION

Title (de)

VERFAHREN ZUR KALIBRIERUNG EINES GAMMA-SPEKTROMETERS UND VORRICHTUNG ZUR ERMÖGLICHUNG SOLCH EINER KALIBRIERUNG

Title (fr)

PROCÉDÉ D'ÉTALONNAGE D'UN SPECTROMÈTRE GAMMA ET DISPOSITIF PERMETTANT UN TEL ÉTALONNAGE

Publication

**EP 3583447 A1 20191225 (FR)**

Application

**EP 18706823 A 20180214**

Priority

- FR 1751199 A 20170214
- FR 2018050354 W 20180214

Abstract (en)

[origin: WO2018150135A1] The invention concerns a method of calibrating a gamma spectrometer (30) with inorganic scintillator, the method comprising: emitting a radiation X (14); modifying the emitted radiation X (14) in order to supply a modified radiation (26) to provide a gamma spectrum with at least one energy peak, the energy of which is predetermined; generating by the gamma spectrometer (30) a measured gamma spectrum having said energy peak at a measured energy; comparing the measured energy with the predetermined energy; and determining a correction function. The invention also concerns a calibration device, a calibration system and a gamma spectrometry assembly (1).

IPC 8 full level

**G01T 1/40** (2006.01)

CPC (source: EP)

**G01T 1/40** (2013.01)

Citation (search report)

See references of WO 2018150135A1

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 3062925 A1 20180817; FR 3062925 B1 20190426**; EP 3583447 A1 20191225; WO 2018150135 A1 20180823

DOCDB simple family (application)

**FR 1751199 A 20170214**; EP 18706823 A 20180214; FR 2018050354 W 20180214