

(19)



(11)

EP 3 066 496 B8

(12)

CORRECTED EUROPEAN PATENT SPECIFICATION

(15) Correction information:

Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) Int Cl.:

G01T 1/20 ^(2006.01) **G01T 3/06** ^(2006.01)
G01V 5/00 ^(2006.01)

(48) Corrigendum issued on:

05.06.2019 Bulletin 2019/23

(86) International application number:

PCT/IB2014/065876

(45) Date of publication and mention of the grant of the patent:

03.04.2019 Bulletin 2019/14

(87) International publication number:

WO 2015/068133 (14.05.2015 Gazette 2015/19)

(21) Application number: **14828278.3**

(22) Date of filing: **07.11.2014**

(54) DEVICE AND METHOD FOR DETECTING NEUTRONS AND GAMMA RAYS

VORRICHTUNG UND VERFAHREN ZUR DETEKTION VON NEUTRONEN UND GAMMA-STRAHLUNG

DISPOSITIF ET PROCÉDÉ POUR LA DÉTECTION DE NEUTRONS ET DE RAYONS GAMMA

(84) Designated Contracting States:

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

(74) Representative: **Cernuzzi, Daniele et al**

Studio Torta S.p.A.
Via Viotti, 9
10121 Torino (IT)

(30) Priority: **08.11.2013 IT MI20131862**

(56) References cited:

GB-A- 2 490 513

(43) Date of publication of application:

14.09.2016 Bulletin 2016/37

- **DE VITA R ET AL: "A large surface neutron and photon detector for civil security applications", NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH. SECTION A: ACCELERATORS, SPECTROMETERS, DETECTORS, AND ASSOCIATED EQUIPMENT, ELSEVIER BV * NORTH-HOLLAND, NL, vol. 617, no. 1-3, 11 May 2010 (2010-05-11), pages 219-222, XP027050543, ISSN: 0168-9002 [retrieved on 2009-10-08]**

(73) Proprietors:

- **Ansaldo Nucleare S.p.A. Genova (IT)**
- **Istituto Nazionale di Fisica Nucleare 00044 Frascati (IT)**

(72) Inventors:

- **DE VITA, Raffaella I-00044 Frascati (IT)**
- **AMBI, Francesca I-16152 Genova (IT)**
- **FIRPO, Gabriele I-16152 Genova (IT)**

EP 3 066 496 B8

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

- PAWE CZAK I A ET AL: "NSTAR A capture gated plastic neutron detector", NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH. SECTION A: ACCELERATORS, SPECTROMETERS, DETECTORS, AND ASSOCIATED EQUIPMENT, ELSEVIER BV * NORTH-HOLLAND, NL, vol. 629, no. 1, 17 November 2010 (2010-11-17), pages 230-238, XP028127878, ISSN: 0168-9002, DOI: 10.1016/J.NIMA.2010.11.103 [retrieved on 2010-12-09]