

Title (en)

POSITION-SENSITIVE DETECTOR FOR DETECTING PHOTON OR PARTICLE DISTRIBUTIONS

Title (de)

ORTSEMPFINDLICHER DETEKTOR ZUR DETEKTION VON PHOTONEN- ODER TEILCHENVERTEILUNGEN

Title (fr)

DÉTECTEUR À SENSIBILITÉ SPATIALE POUR LA DÉTECTION DE RÉPARTITIONS DE PHOTONS OU DE PARTICULES

Publication

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Application

EP 12756098 A 20120823

Priority

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- EP 2012003581 W 20120823

Abstract (en)

[origin: WO2013026577A2] The invention relates to a position-sensitive detector for detecting photon or particle distributions, wherein the detector receiving surface (1) is formed by a plurality of detector cells (2) from individual detector elements that are connected to a plurality of readout channels (5). The assignment of the detector cells (2) to the readout channels (5) is chosen in such a way that a position of a focal point of a photon or particle distribution impinging on the detector receiving surface (1) can be determined locally from signals of the readout channels (5). The detector enables a high spatial resolution with a small number of readout channels.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013026577A2

Citation (examination)

- EP 1617237 A1 20060118 - CONSEJO SUPERIOR INVESTIGACION [ES], et al
- POPOV V ET AL: "Readout electronics for multianode photomultiplier tubes with pad matrix anode layout", 2003 IEEE NUCLEAR SCIENCE SYMPOSIUM CONFERENCE RECORD. / 2003 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE. PORTLAND, OR, OCT. 19 - 25, 2003; [IEEE NUCLEAR SCIENCE SYMPOSIUM CONFERENCE RECORD], NEW YORK, NY : IEEE, US, 19 October 2003 (2003-10-19), pages 2156 - 2159Vol.3, XP010736143, ISBN: 978-0-7803-8257-2

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