

Title (en)

SCINTILLATION SOLID STATE DETECTOR, DETECTION METHOD

Title (de)

VERFAHREN ZUR DETEKTION MIT EINEM FESTKÖRPERSZINTILLATIONSDETEKTOR

Title (fr)

DETECTEUR SOLIDE PAR SCINTILLATION, METHODE DE DETECTION

Publication

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Application

**EP 01927983 A 20010417**

Priority

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- FR 0004884 A 20000414

Abstract (en)

[origin: WO0179886A1] The invention concerns the use of a solid state detector comprising at least a YAP(Ce) crystal for measuring alpha , beta , and X-radiation, said radiation comprising at least a very low energy component, in particular beta rays whereof the energy is less than 200 keV, for example rays emitted by  $^{14}\text{C}$  and/or Tritium ( $^3\text{H}$ ), and/or X rays whereof the energy is less than 6 keV. The invention also concerns a solid state scintillation detector comprising at least a YAP(Ce) crystal and means for bringing very low energy radiation in contact with at least a YAP(Ce) crystal so as to enable detection of very low energy radiation. The invention further concerns a method for detecting said radiation.

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CPC (source: EP)

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See references of WO 0179886A1

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