Title (en)
SYSTEM AND METHOD FOR INCREASED GAMMA/NEUTRON DETECTION

Title (de)
SYSTEM UND VERFAHREN FÜR ERHÖHTEN GAMMA-/NEUTRONENNACHWEIS

Title (fr)
SYSTÈME ET PROCÉDÉ D'AMÉLIORATION DE LA DÉTECTION DE RAYONS GAMMA/NEUTRONS

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Application
EP 10746841 A 20100225

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- US 21023809 P 20090316
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- US 21162909 P 20090401
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- US 23881909 P 20090901
- US 25796409 P 20091104
- US 48306609 A 20090611
- US 29399310 P 20100111
- US 23180509 P 20090806
- US 24940809 P 20091007
- US 21911109 P 20090622
- US 21012209 P 20090313
- US 21007509 P 20090313
- US 25796809 P 20091104
- US 21023409 P 20090316
- US 24629909 P 20090928
- US 20849209 P 20090225

Abstract (en)
[origin: WO2010099331A2] A system detects at least one of nuclear and fissile materials The system includes a plurality of high speed scintillator detectors Each high speed scintillator detector in the plurality of high speed scintillator detectors includes at least one photo sensor and a pre-amp circuit adapted to eliminate pulse stretching and distortion of detected light pulses emitted from scintillation material when interacting with neutron particles and/or gamma particles An isotope database includes a plurality of spectral images corresponding to different known isotopes An information processing system is adapted to compare spectral data received from each high speed scintillator detector to one or more of the spectral images and identify one or more isotopes present in an object or container being monitored.

IPC 8 full level
G01T 1/20 (2006.01); **G01T 3/06** (2006.01)

CPC (source: EP)
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