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(54) Title: RADIATION DIRECTIONAL FINDER AND ISOTOPE IDENTIFICATION SYSTEM

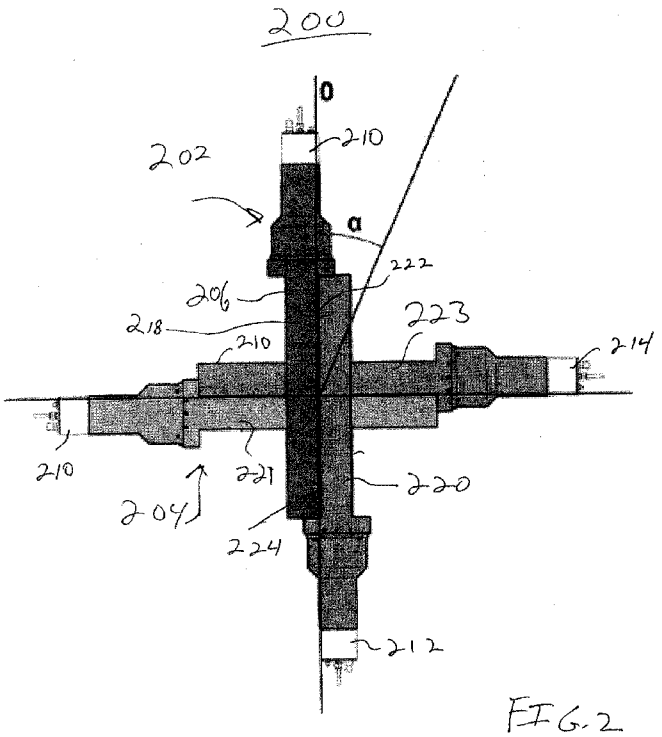


FIG. 2

(57) Abstract: A system and method determine a direction associated with gamma and/or neutron radiation emissions. A first radiation photon count associated with a first detector in a detector set is received from the first detector. The first radiation photon count is associated with at least one radiation source. A second radiation photon count associated with a second detector in the detector set is received from the second detector. The first radiation photon count is compared to the second radiation photon count. One of the first detector and the second detector is identified to have detected a larger number of radiation photons than the other. The at least one radiation source is determined to be substantially in a direction in which the one of the first detector and the second detector that has detected the larger number of radiation photons is facing.

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ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models since 1975.
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords:radiation, direction, detector, photon, count

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6433335 B1 (KRONENBERG; STANLEY et al.) 13 August 2002 see column 3, line 32 - column 4, line 50; claim 1 and figure 1.	1-20
A	US 2005-0082485 A1 (TATSUO TORII) 21 April 2005 see paragraph 0017 - paragraph 0023; figure 1.	1-20
A	US 5665970 A1 (KRONENBERG; STANLEY et al.) 09 September 1997 see column 3, line 18 - column 4, line 48; figures 1-4.	1-20
A	US 2003-0165211 A1 (LEE GRODZINS et al.) 04 September 2003 See the whole document	1-20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"&" document member of the same patent family

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