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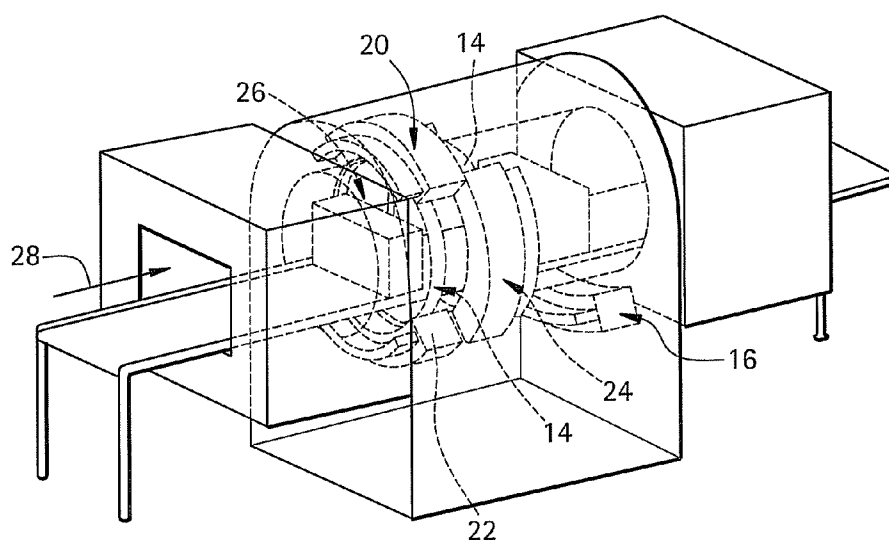
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[Continued on next page]

(54) Title: INTEGRATED MULTI-SENSOR SYSTEMS FOR AND METHODS OF EXPLOSIVES DETECTION

FIG. 2



(57) Abstract: An integrated, multi-sensor, Level 1 screening device is described, which system provides a next-generation Explosives Detection System (EDS) that enables high throughput, while drastically reducing false alarms. In exemplary embodiments, the present system comprises a non-rotational, Computed Tomography (CT) system and a non-translational, X-ray diffraction (XRD) system, both in an inline configuration.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01V G01T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/104414 A1 (MAYO WILLIAM E [US]) 18 May 2006 (2006-05-18) abstract paragraph [0004] paragraph [0009] - paragraph [0010] paragraph [0017] - paragraph [0018] paragraph [0020] - paragraph [0021] paragraph [0025] paragraph [0029] figures ----- -/--	1,6,7, 13,14, 21-23, 26,28-33



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005/111610 A1 (DE MAN BRUNO KRISTIAAN B [US] ET AL DE MAN BRUNO KRISTIAAN BERNARD [US] 26 May 2005 (2005-05-26) abstract paragraph [0006] - paragraph [0007] paragraph [0045] - paragraph [0048] figures	2,4,5, 8-12, 16-18, 23,32
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