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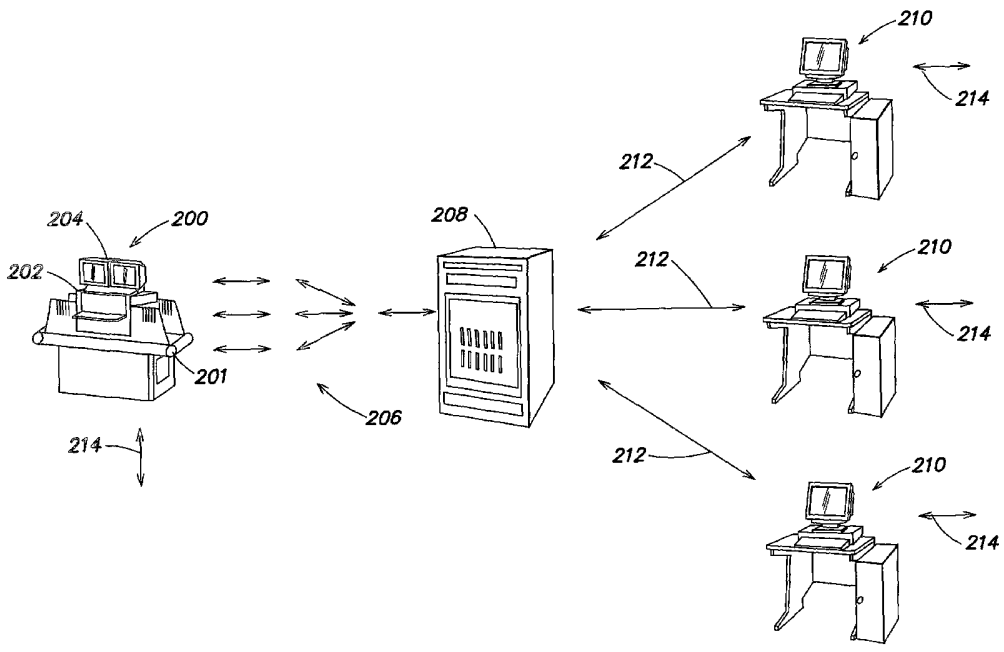
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(54) Title: REMOTE DATA ACCESS



(57) Abstract: The application discloses a system and methods for remote access and analysis of data collected about items under inspection. The system includes a data collection station, that may include an X-ray scanner, that scans the items under inspection to obtain data about the items. The data is transmitted to one or more remote expert stations, where a remote expert analyzes the data to determine whether the item contains a potential threat, such as, for example, explosives or other contraband.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01V5/00

According to International Patent Classification (IPC) or to both national classification and IPC

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

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

EPO-Internal, WPI Data, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 02 082290 A (L 3 COMM SECURITY & DETECTION) 17 October 2002 (2002-10-17) abstract page 1, line 1 -page 35, line 22 figures ---	1-14
A	US 5 909 478 A (SMITH SCOTT T ET AL) 1 June 1999 (1999-06-01) abstract column 4, line 63 -column 5, line 25 column 5, line 32 - line 36 column 5, line 62 -column 6, line 5 column 15, line 1 -column 18, line 51 column 19, line 40 - line 54 --- -/--	1,2,6,7

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Name and mailing address of the ISA	Authorized officer
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INTERNATIONAL SEARCH REPORT

[redacted]rnational Application No
PCT/US 02/31146

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 5 642 393 A (KRUG KRISTOPH D ET AL) 24 June 1997 (1997-06-24) column 1, line 27 - line 60 column 2, line 28 - line 67 column 4, line 4 - line 55 column 6, line 44 -column 7, line 30 column 8, line 35 -column 9, line 31 figures	1-3,6,7, 10
A	US 5 367 552 A (PESCHMANN KRISTIAN R) 22 November 1994 (1994-11-22) abstract column 3, line 25 -column 6, line 21 column 7, line 17 - line 59 column 8, line 33 -column 9, line 19	1-4,6-8, 10-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

[redacted]rnational Application No
PCT/US 02/31146

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 02082290 A	17-10-2002	WO 02082306 A1	17-10-2002
		WO 02082372 A1	17-10-2002
		WO 02082290 A1	17-10-2002
US 5909478 A	01-06-1999	US 5828726 A	27-10-1998
		US 5608774 A	04-03-1997
		US 6205199 B1	20-03-2001
		US 6178224 B1	23-01-2001
		US 2002031203 A1	14-03-2002
		AU 6288396 A	22-01-1997
		EP 0834068 A1	08-04-1998
		IL 122697 A	14-06-2001
		WO 9701089 A1	09-01-1997
US 5642393 A	24-06-1997	AU 7369796 A	17-04-1997
		AU 7371396 A	17-04-1997
		EP 0852717 A1	15-07-1998
		WO 9712229 A1	03-04-1997
		WO 9712230 A1	03-04-1997
US 5367552 A	22-11-1994	US 5182764 A	26-01-1993