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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: COMBINED IMAGING AND TRACE-DETECTION INSPECTION SYSTEM AND METHOD

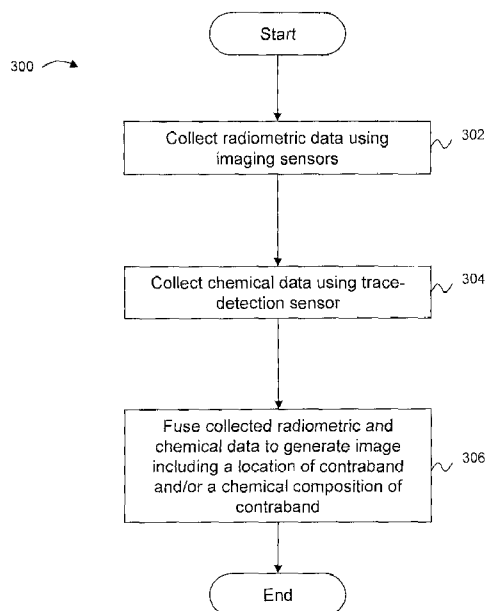


FIG. 3

(57) Abstract: System and method for imaging and chemically identifying contraband are described. In one aspect, a method is provided for locating and identifying contraband on a subject. The method includes scanning the subject using a plurality of imaging sensors to collect radiometric data (302), collecting chemical data from chemical vapors and particles located on and/or near the subject using a trace-detection sensor (304), and fusing the collected radiometric data and the collected chemical data to generate at least one of a location of the contraband and a probability of a chemical composition of the contraband (306).

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. G01V8/00 G01R33/44

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01V G01R G08B

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/017605 A1 (LOVBERG JOHN A [US] ET AL LOVBERG JOHN A [US] ET AL) 26 January 2006 (2006-01-26) abstract paragraph [0002] paragraph [0006] - paragraph [0007] paragraph [0012] - paragraph [0014] paragraph [0052] paragraph [0058] - paragraph [0068] paragraph [0072] claims 1-3,14,16 figures 2,4,16 ----- -/--	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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- *Z* document member of the same patent family

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

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International application No

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