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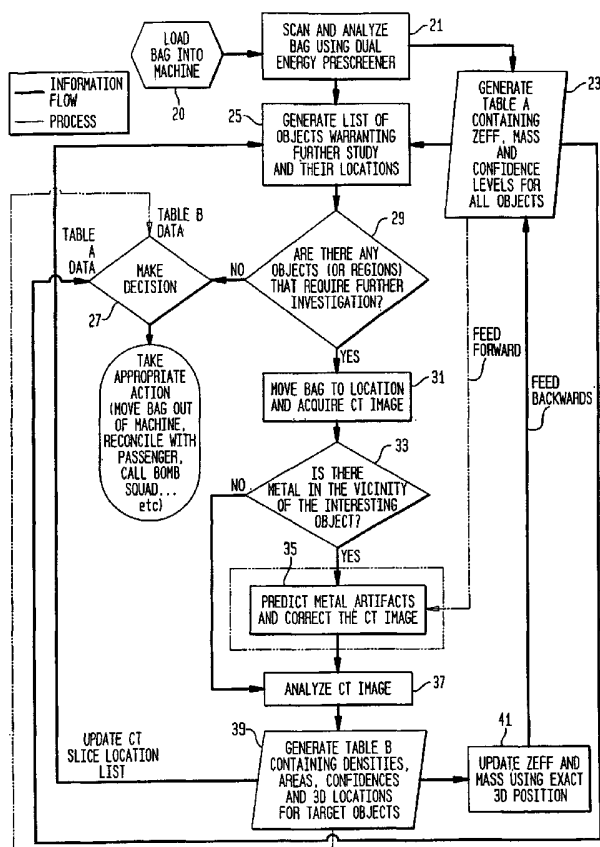
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(54) Title: METHOD AND APPARATUS FOR TRANSMITTING INFORMATION ABOUT A TARGET OBJECT BETWEEN
A PRESCANNER AND A CT SCANNER



(57) Abstract: A method or apparatus for analyzing an object includes an X-ray prescanner (1) that performs a prescan of the object to determine prescan information about the object. Then, a computer tomography (CT) scanner (3) performs a CT scan on at least one plane of the object based on the prescan information to determine CT information. In one embodiment, if the CT scan of the object includes or is in the vicinity of metal, then metal artifact correction of a reconstructed image from the CT scan is performed based on the prescan information. In another embodiment, a processor (5) analyzes the CT information and the prescan information to determine whether to update the prescan information based on the CT information.



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International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 23/10; G06K 9/00

US CL : 378/19, 53, 57

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)

U.S. : 378/4, 19, 51, 53, 56, 57, 90

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 practicable, search terms used)

EAST: Dual Energy, X-ray, Pre-scan, CT, computed tomography

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,367,552 A (PESCHMANN) 22 November 1994 (22.11.1994), all.	1, 2, 10, 15-17, 20-23, 27 and 32

Y		3-9, 11-14, 18, 19, 24-26 and 28-31
Y	✓ US 6,018,562 A (WILLSON) 25 January 2000 (25.01.2000), all.	1-32
Y	✓ US 6,256,404 B1 (GORDON et al.) 03 July 2001 (03.07.2001), all.	1-32



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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