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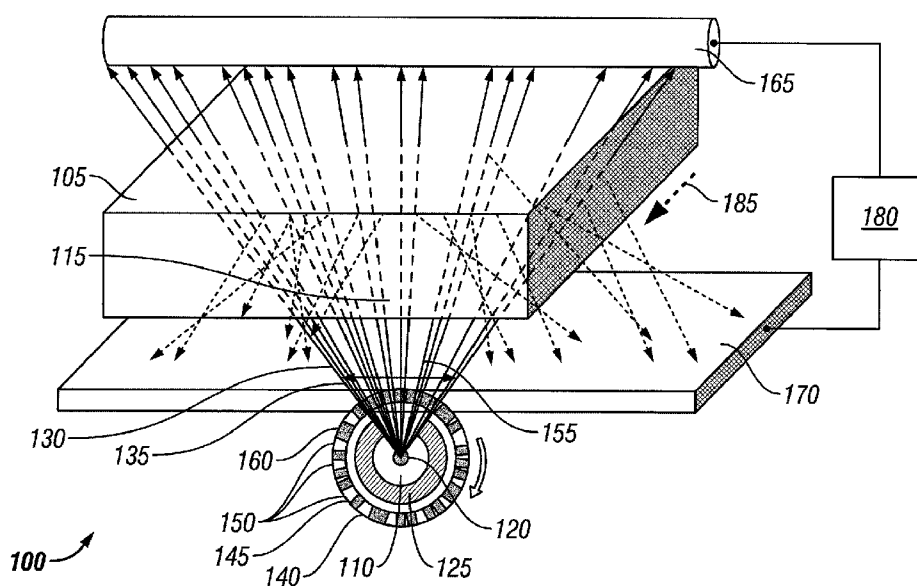


FIG. 1

(57) Abstract: An apparatus for inspecting objects utilizes a fan beam or flood beam to illuminate the inspected region of the object. A modulator, which may take the form of a movable mask, dynamically encodes the beam so that each segment of the inspected region receives varying amounts of radiation according to a predetermined temporal sequence. The resultant signal produced by a backscatter detector or optional transmission detector receiving radiation from the object is decoded to recover spatial information so that an image of the inspected region may be constructed.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 688 242 A (EMA TAKEHIRO [JP]) 18 August 1987 (1987-08-18) abstract claim 1 figure 3	1,2,5,6, 12-14, 21,22
A	US 5 930 314 A (LANZA RICHARD C [US]) 27 July 1999 (1999-07-27) cited in the application column 7, line 29 - line 53; claim 1 ----- -/--	3,8,9, 11,15, 16,18, 23-25

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

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 940 468 A (HUANG SUZHOU [US] ET AL) 17 August 1999 (1999-08-17) column 1, line 11 - line 13 column 3, line 8 - line 13; figures 1,2	10,11, 16,17

INTERNATIONAL SEARCH REPORT

Information on patent family members

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