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(54) Title: RADIATION-AND-DETECTION SYSTEM

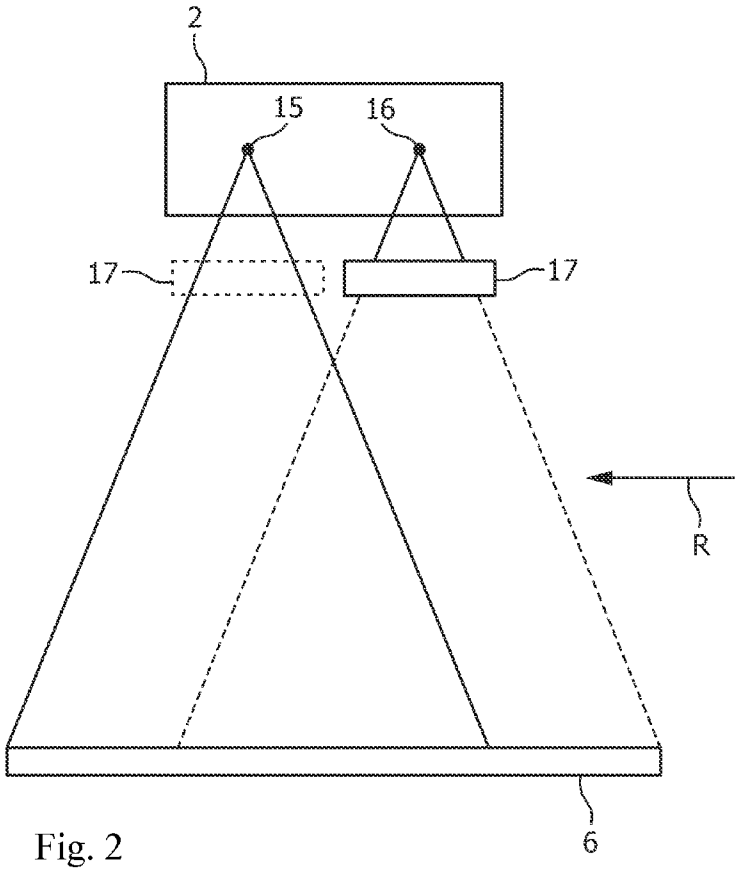


Fig. 2

(57) Abstract: The invention relates to radiation-and-detection system comprising a radiation unit (2) for alternately illuminating a detection unit (6) with radiation of a first emanating region (15) at first time intervals and with radiation of a second emanating region (16) at second time intervals, wherein first detection values are detected at the first time intervals and second detection values are detected at the second time intervals. The radiation-and- detection system is calibrated with respect to the influence of the radiation of the second emanating region (16) to the first detection values and with respect to the influence of the radiation of the first emanating region (15) to the second detection values.

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A. CLASSIFICATION OF SUBJECT **MATTER**
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B. **HELDSSEARCHED**

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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-Intemal , 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 5 430 785 A (PFOH ARMIN H [US] ET AL) 4 July 1995 (1995-07-04) column 2, line 41 - column 3, line 47 column 6, line 6 - column 7, line 25 figures 4A,4B	1-3, 6-10, 12-18
Y		4,5,11

Y	US 5 625 661 A (OI KAWA SHI ROU [JP]) 29 Apri l 1997 (1997-04-29) column 11, line 40 - line 64 column 11, line 1 - line 9 figure 16	4,5,11

D Further documents are listed in the continuation of Box C. [X] See patent family annex.

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Information on patent family members

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Patent document oited in search report	Publication date	Patent family member(s)	Publication date
US 5430785 A	04-07-1995	DE 19513052 Al	09-11-1995
		IL 113157 A	20-11-1997
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US 5625661 A	29-04-1997	NONE	