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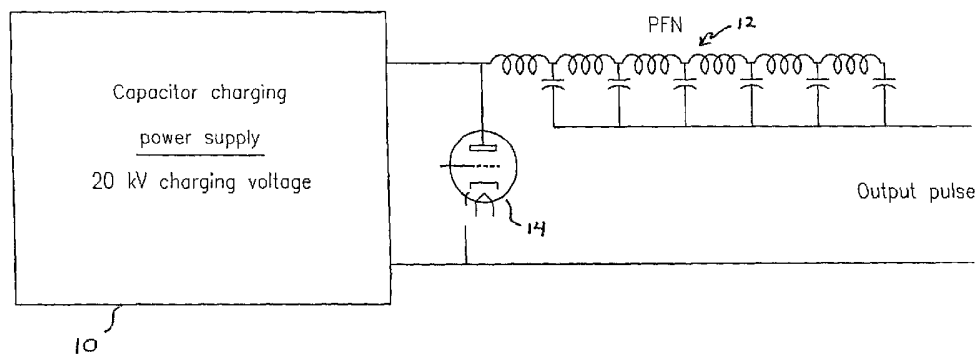
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ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: MULTIPLE ENERGY X-RAY SOURCE AND INSPECTION APPARATUS EMPLOYING SAME



Modulator with Capacitor Charging Power Supply

(57) Abstract: A multiple energy x-ray source capable of rapidly generating and delivering x-rays in the form of successive pulses that alternate between at least two different energy levels, as well as a multiple energy x-ray inspection apparatus for inspecting moving objects that employs such a multiple energy x-ray source, are provided. The inventive x-ray source facilitates the use of differential absorption characteristics as a means for distinguishing materials contained within objects during a moving inspection.

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# INTERNATIONAL SEARCH REPORT

International Application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H05G1/32

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)  
IPC 7 H05G H01J

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, PAJ, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/052612 A1 (TANABE EIJI) 20 March 2003 (2003-03-20) paragraph '0038!; claims 1-13; figure 4 -----	1-9, 12-19
A	US 5 046 078 A (HERNANDEZ ET AL) 3 September 1991 (1991-09-03) column 2, lines 35-60; claims 1-5 -----	1-9, 12-19
A	US 6 111 931 A (KUSCH ET AL) 29 August 2000 (2000-08-29) claims 1-10 -----	10, 11

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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