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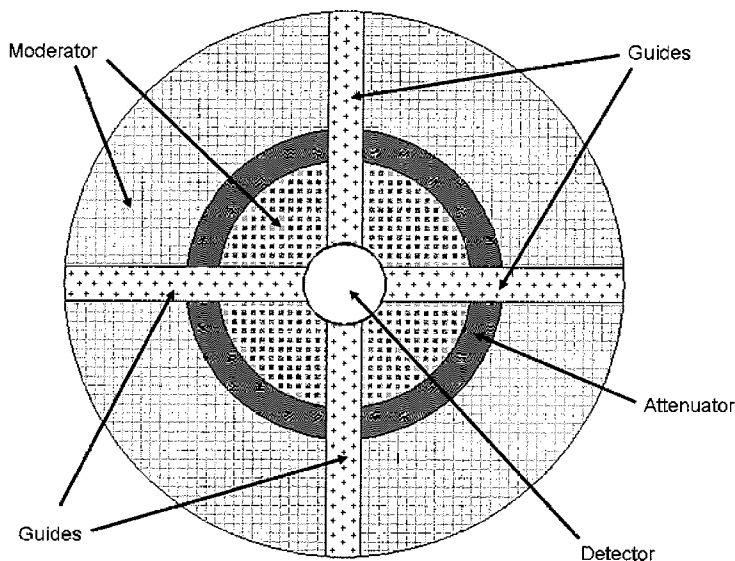


Figure 1

(57) Abstract: An instrument for detecting radiation is provided, which comprises an inner core housing a neutron detector, and an outer core comprising a neutron-moderating material, the instrument further including at least one elongate thermal neutron guide located within the outer core and having an inner end that terminates proximal to the neutron detector. In use, the elongate thermal neutron guide channels thermal neutrons towards the neutron detector. Also provided is a method for using said instrument.

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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)

EPO-Internal, INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98/25160 A (BRITISH NUCLEAR FUELS PLC [GB]; JOYCE MALCOLM JOHN [GB]; MORE BRIAN RO) 11 June 1998 (1998-06-11) cited in the application abstract page 3, line 1 - line 26 page 5, line 4 - page 7, line 13 page 10, line 10 - page 12, line 8 figures	1, 39, 42, 45
A	US 5 578 830 A (OLSHER RICHARD H [US] ET AL) 26 November 1996 (1996-11-26) abstract column 3, line 4 - line 42	1, 39, 42, 45
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 278 417 A (SUN RAI KO S F [US]) 11 January 1994 (1994-01-11) abstract column 2, line 28 - column 3, line 12 column 3, line 61 - column 4, line 25 figures -----	1, 39, 42, 45

INTERNATIONAL SEARCH REPORT

Information on patent family members

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