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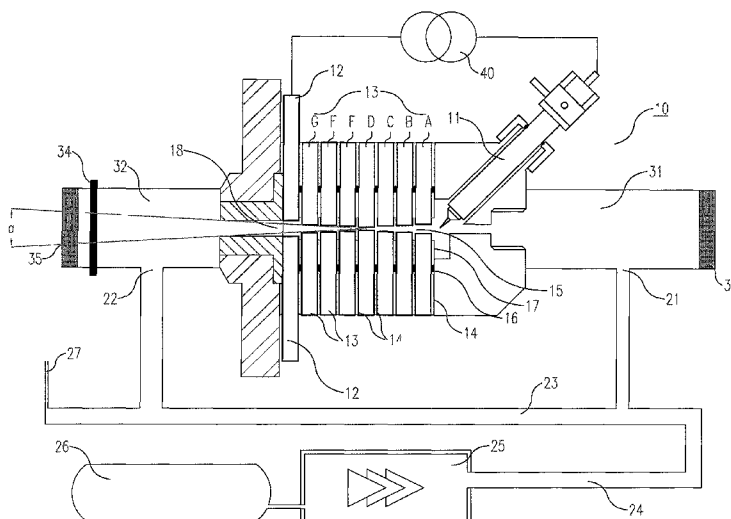
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[Continued on next page]

(54) Title: PHOTON SOURCE



(57) Abstract: A photon source comprises a plasma source (10) with at least one cathode (11) and at least one anode (12), between which a system of one or more mutually separated cascade plates (13) is placed. The cascade plates are provided with at least one passage opening (15), wherein corresponding passage openings of successive cascade plates are at least substantially mutually in line. The plasma source comprises a gas inlet (21) for admitting a gas to be excited at an inlet pressure. An electric power source (40) is connected between the cathode and the anode. The power source is able and adapted to generate a modulated current. The gas inlet is coupled to gas supply means (25, 26) which are able and adapted to admit the gas to be excited at a modulated, sub-atmospheric to above-atmospheric inlet pressure.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FROST R M ET AL: "Continuous calibration of a vacuum ultraviolet system from 65 to 125 nm by a cascade arc and comparison with the calibrated line radiation of a hollow cathode" APPLIED OPTICS OPT. SOC. AMERICA USA, vol. 36, no. 9, 20 March 1997 (1997-03-20), pages 1994-2000, XP002443771 ISSN: 0003-6935 page 1996, column 1, lines 38-40; figure 2 ----- -/-	1

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

☒ See patent family annex.

* Special categories of cited documents :

'A' document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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'S' document member of the same patent family

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International application No
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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.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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