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(54) **Pulsed Plasma Device and Method for Generating Pulsed Plasma**

(57) A method and a device for generating pulses of plasma are disclosed. The method of generating pulses of plasma uses a device comprising one or more cathodes and an anode. The method comprises passing a

plasma-generating gas between the one or more cathodes and the anode and repeatedly: establishing an electric arc between the one or more cathodes and the anode; controlling an area of attachment of the electric arc to the one or more cathodes; and terminating the electric arc.

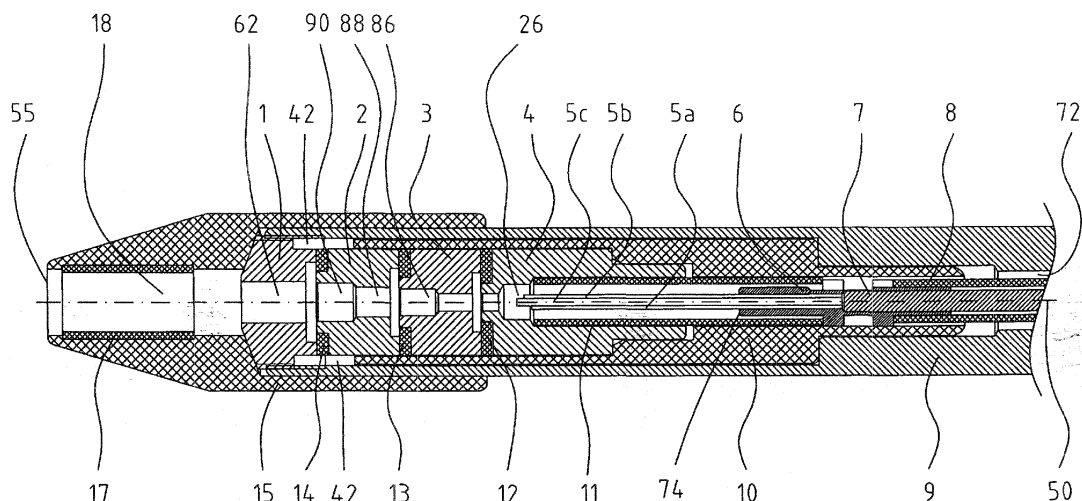


Fig. 2A



EUROPEAN SEARCH REPORT

Application Number
EP 11 18 3953

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 3 413 509 A (CANN GORDON L ET AL) 26 November 1968 (1968-11-26) * abstract; figure 1 * * column 3, lines 10-28 * -----	1-4,9-14	INV. H05H1/24 H05H1/34
			TECHNICAL FIELDS SEARCHED (IPC)
			H05H
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		18 November 2013	Crescenti, Massimo
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3413509	A	26-11-1968	NONE

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82