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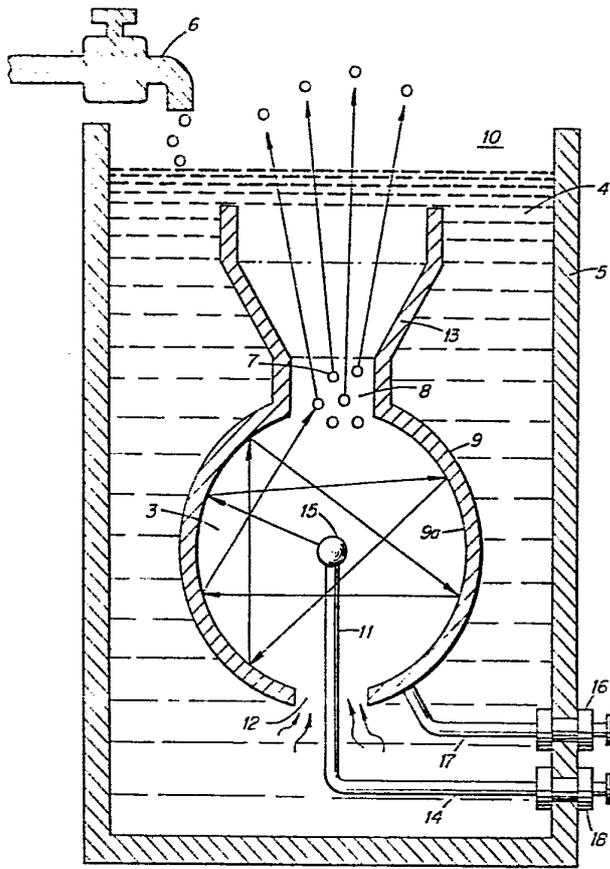
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54 **Resonant cavity for a hydrogen generator.**

57 A direct current voltage exciter for utilization in a non-electrolysis process and apparatus for separating hydrogen/oxygen gas from water. The non-oxidizing exciters comprise a plate structure with negative potential applied to one such exciter plate (9) and a positive potential applied to the other (15). The spacing between plates comprises a resonant cavity (3) to a particular frequency. The direct current voltage is pulsed at a repetition rate that matches the frequency of the resonant cavity (3). The sub-atomic action of the direct current voltage on the plates is enhanced considerably by the bombardment of the atoms within the resonant structure. A spherical plate construction is described with alternative structures of a resonant line.

Fig. 1





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	DE-A-2 852 712 (WOLF)		C 01 B 3/04 F 02 B 43/10
A	FR-A-2 383 247 (INOUE JAPAX) * Page 2, lines 1-40 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			F 02 B C 01 B C 25 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE	Date of completion of the search 27-04-1984	Examiner WASSENAAR G.	
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			