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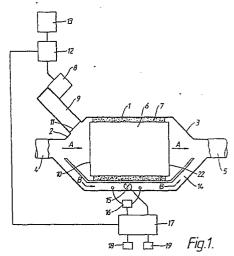
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Apparatus and method for removing particulate matter from the exhaust gases of an internal combustion engine.

The apparatus for removing particulate matter from exhaust gases includes a filter 6 for trapping particulate matter carried by the gases. A microwave generator 8 is arranged to irradiate the upstream face 10 of the filter 6, heating and oxidising particulate matter trapped in only a region adjacent that face. The heated zone then travels through the filter 6, regenerating the whole filter.





EUROPEAN SEARCH REPORT

ΕP 89 30 7864

Category	Citation of document with indication of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)	
x	PATENT ABSTRACTS OF JAPAN vol. 8, no. 270 (M-344)(170 & JP-A-59 141708 (NIPPON DEI 1984, * the whole document *	7) 11 December 1984,	1, 2, 4-7, 13, 16, 19	F01N3/02	
A,D	GB-A-2080140 (FILTERWERK MA	NN & HUMMEL)	1, 13		
4	EP-A-266932 (FORD MOTOR COM * claims 1, 13, 16 *	PANY)	1-5, 13, 16-20		
۸.	US-A-4662911 (T.HIRAYAMA ET * the whole document *	AL.)	1		
A	EP-A1-0244061 (POROUS ELEME * claims 1-7 *	ENT HEATING LTD)	1-3, 9-11		
				TECHNICAL FIELDS SEARCHED (Int. Cl.5)	
				F01N	
	The present search report has been o	•		<u> </u>	
Place of search BERLIN		Date of completion of the search 13 DECEMBER 1989	Į.	Examiner BERTRAM H.E.H.	
X : pa	CATEGORY OF CITED DOCUMENTS articularly relevant if taken alone articularly relevant if combined with another	T : theory or pri E : earlier paten after the fili	inciple underlying the	ne invention blished on, or	

- A: technological background
 O: non-written disclosure
 P: intermediate document

- L: document cited for other reasons
- & : member of the same patent family, corresponding document