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(71) Applicant: **INGENIÖRSFIRMAN PETROKRAFT AB**
Gräddgatan 12
S-411 25 Göteborg (SE)

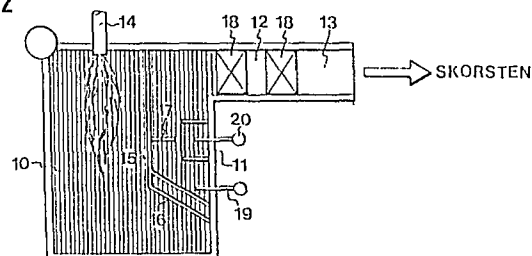
(72) Inventor: **Nielsen, Heine**
Karl Gustavsgatan 2
S-411 25 Göteborg (SE)

(74) Representative: **Wallin, Bo-Göran et al**
AWAPATENT AB Box 5117
S-200 71 Malmö (SE)

(54) Combustion apparatus.

(57) A combustion apparatus has a combustion chamber (10), a reactor space (11) and a convection part (12) disposed downstream thereof. The reactor space is provided in a high-temperature zone of the combustion apparatus and has a turbulence or gas-agitation promoting design or built-in structure (17). Injection devices (19, 20) open into the reactor space. The fluid flow design of the reactor space is such that the combustion gases will have a residence time of at least 0.3 s in the reactor space.

FIG.2





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.4)
Y	WO-A-8 706 853 (PYROPOWER) * Page 4, line 33 - page 5, line 9; page 13, lines 2-8; page 15, lines 18-26; page 21, line 31 - page 22, line 13; figures 1-4 * ---	1,2	F 23 J 15/00 F 23 M 9/00
Y	DE-A-3 441 141 (L & C STEINMÜLLER GmbH) * Page 2, paragraph 1; pages 3-4, bridging paragraph * ---	1,2	
Y	PATENT ABSTRACTS OF JAPAN, vol. 2, no. 72, 31st May 1978, page 815 C 78; & JP-A-53 29 273 (MITSUBISHI JUKOGYO K.K.) 18-03-1978 * Abstract * ---	1	
Y	PATENT ABSTRACTS OF JAPAN, vol. 1, no. 91, 24th August 1977, page 1871 C 77; & JP-A-52 49 971 (MITSUBISHI JUKOGYO K.K.) 21-04-1977 * Abstract * ---	1	
A,D	SE-B- 436 791 (JÖNSSON) * Claim 1, figure 1 * ---	1	
A	FR-A-2 290 635 (BESNIER) ---		
A	US-A-3 900 554 (LYON) -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 08-11-1989	Examiner SHALLOE D.M.
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	