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(54) **Combustion apparatus incorporating a noise reduction arrangement**

(57) A combustion apparatus such as a boiler comprises a standing wave arm (15, 15') for establishing a standing wave connected to a flue gas outlet (14) of a burner (10) of the device. A gas flue outlet system (17)

is connected to the standing wave arm at the zero pressure point or mid-point (16) of the standing wave. The standing wave arm (15, 15') is configured to generate a standing wave in proportion to one half of the wavelength of a resonant frequency to be attenuated.

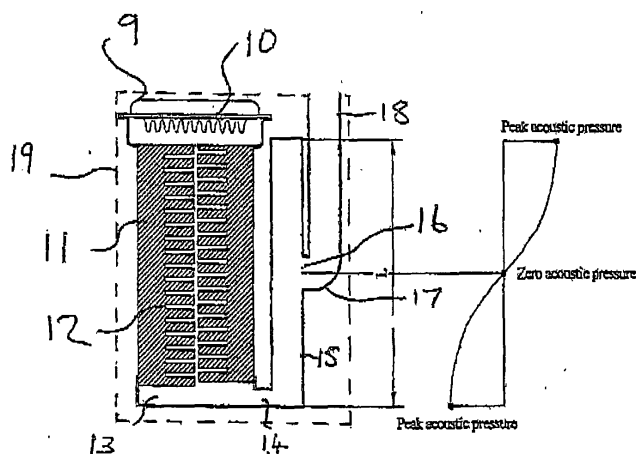


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 09 01 4219

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 15 November 2011	Examiner Mougey, Maurice
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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EUROPEAN SEARCH REPORT

Application Number
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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