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(54) **Air-gas mixer device, particularly for premix burner**

(57) An air-gas mixer device, particularly for the premix burner equipment of condensing boilers, comprising flow guide means for guiding an air-gas mixture into the intake section (3a) of a centrifugal fan (2) unit with a predetermined axis of rotation (X), said intake section being coaxial with said axis of rotation, said guide means including a Venturi effect conduit structure (5) with contiguous converging and diverging portions delimiting a

constricted section to which the gas flow is fed for mixing with the air flow fed through the converging conduit portion, wherein said guide conduit structure (5) is axially symmetrically developed with a main axis of symmetry coinciding with said axis of rotation (X) and is defined by the rotation about said axis of a flat section with respective contiguous converging and diverging portions (5a, 5b), which is positioned radially and is spaced apart from the axis and on whose plane said axis of rotation (X) lies.

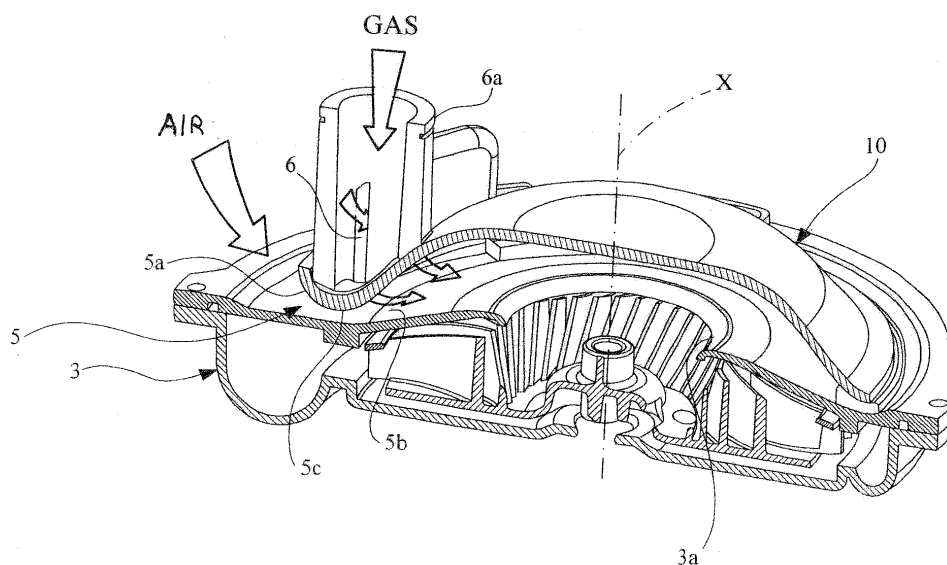


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 10 16 9982

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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		22 January 2013	Mougey, Maurice
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Place of search The Hague		Date of completion of the search 22 January 2013	Examiner Mougey, Maurice
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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