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(71) Applicant: **Ansaldi Energia S.p.A.
Genova (IT)**

(72) Inventors:

- Mori, Giulio**
17100 Savona (IT)
- Anisimov, Vyacheslav V.**
16161 Genova (IT)
- De Oliveira Silva Parente, Joao Miguel**
2795-136 Linda-a-Velha, Oeiras (PT)

(74) Representative: **Bergadano, Mirko et al
Studio Torta S.p.A.
Via Viotti, 9
10121 Torino (IT)**

(54) A premix burner for a gas turbine, in particular a microturbine

(57) A gas turbine premix burner (1) is provided with a main annular duct (7) and a secondary annular duct (24), which are concentric with respect to a longitudinal axis (3) and have respective inlets (8, 25) for combustion air and respective axial outlets (9, 26), which give out, in use, into a combustion chamber (2); the main annular duct (7) has an initial portion (10) housing a blading (12)

generating vortices and houses a plurality of pipes (39) for feeding combustible gas into the main annular duct (7); said pipes (39) are arranged about the longitudinal axis (3) and downstream of the blading (12) and each have at least one outlet hole (41), which has a radial component with respect to the axis (40) of the pipe (39).

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
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30			TECHNICAL FIELDS SEARCHED (IPC)						
35			F23R F23C						
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50	The present search report has been drawn up for all claims								
55	<table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>The Hague</td> <td>10 April 2015</td> <td>Munteh, Louis</td> </tr> </table>			Place of search	Date of completion of the search	Examiner	The Hague	10 April 2015	Munteh, Louis
Place of search	Date of completion of the search	Examiner							
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