

Title (en)  
Improvements relating to fuel/air fully pre-mixed burners

Title (de)  
Brenner mit vollständiger Brennstoff/Luft-Vormischung

Title (fr)  
Brûleur à prémélange combustible/air complet

Publication  
**EP 0810404 A2 19971203 (EN)**

Application  
**EP 97106346 A 19970417**

Priority  
GB 9611236 A 19960530

Abstract (en)  
The present invention provides a ceramic burner flame strip. The flame strip is designed to cause elimination of burner resonant noise, by providing that the "land width" (z) around each port (19) is reduced. The land width is the width of the flame strip surface which not only surrounds the port, but which also lies at right angles thereto. The land width can be reduced by providing that the ports (19) are arranged in rows with alternate rows having ports at a different height in the flame strip surface from the other ports, which has the effect of ensuring that the land width of all ports (19) is reduced so reducing the said noise. The flame strip may be made up of individual plates or by a plaque (36) which is provided with the ports and then is machined to provide slots (46) in alignment with alternate rows of ports, so that these ports are at a different height in the flame strip surface with the effect as described above.

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IPC 8 full level  
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Cited by  
US7063527B2; FR2919348A1; EP0950853A2; WO0142709A1; WO2009047400A3

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