

Title (en)
Method and burner for combustion of hydrogen

Title (de)
Verfahren und Brenner zum Verbrennen von Wasserstoff

Title (fr)
Procédé et brûleur pour la combustion d'hydrogène

Publication
EP 0780631 A3 19980930 (EN)

Application
EP 96119733 A 19961210

Priority
DE 19547506 A 19951219

Abstract (en)
[origin: EP0780631A2] As oxidised air is used, a cross flow with a fine separator that is connected on a number of single micro-burning zones. In the single micro-burning zones, air may be induced in a hydrogen atmosphere. Hydrogen may also be induced in an air atmosphere. There may be a separating chamber that comprises of a first swage block (2) and a second swage block (3) that can be held, at a constant spacing (d), via a number of guide pipes (4). Each guide pipe may have an air-pipe bolt (6), with multiple air channels (7;23), inserted in it. The second swage plate may be made from gas permeable porous material.

IPC 1-7
F23D 14/20; **F23D 14/70**

IPC 8 full level
F23D 14/84 (2006.01); **F23D 14/20** (2006.01); **F23D 14/22** (2006.01); **F23D 14/70** (2006.01)

CPC (source: EP)
F23D 14/20 (2013.01); **F23D 14/70** (2013.01); **F23C 2900/9901** (2013.01); **F23D 2209/20** (2013.01)

Citation (search report)
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