

Title (en)
Catalytic burner

Title (de)
Katalytischer Brenner

Title (fr)
Brûleur catalytique

Publication
EP 0789188 A2 19970813 (DE)

Application
EP 97101303 A 19970129

Priority
DE 19604263 A 19960206

Abstract (en)
The burner has equipment (1) to supply fuel and air, and has at least one catalyser (3). It also has wall components through which coolant can flow. The heat transmission from the first catalyser onto the wall components results mainly from radiation. The components may be separated from a first catalyser by a space (2) through which a mixture of fuel and air flows in the direction of the catalyser. They may also be separated from the first catalyser by a space (2a) through which a partly-burnt mixture of fuel and air flows in a direction which is largely not onto the wall component (5).

Abstract (de)
Die Erfindung betrifft einen (1) katalytischen Brenner mit Brennmittel- und Luftzuführeinrichtungen mit mindestens einem Katalysator (3) und kühlmitteldurchflossenen Wandteilen (4,5), wobei die Wärmeübertragung des ersten Katalysators auf die Wandteile im wesentlichen durch Strahlung erfolgt. <IMAGE>

IPC 1-7
F23C 11/00; **F23D 14/18**

IPC 8 full level
F23C 6/04 (2006.01); **F23C 13/00** (2006.01); **F24H 1/00** (2006.01)

CPC (source: EP US)
F23C 6/045 (2013.01 - EP); **F23C 13/00** (2013.01 - EP US); **F23C 13/02** (2013.01 - EP); **F24H 1/0045** (2013.01 - EP); **F23C 2201/401** (2013.01 - EP); **F23M 2900/13003** (2013.01 - EP); **F24H 2240/00** (2013.01 - EP US)

Citation (applicant)
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Cited by
EP1122493A3; EP2232694A4; WO2016001812A1; US10041668B2; WO2004020903A1; WO9846947A1

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