

Title (en)
Burner

Title (de)
Brenner

Title (fr)
Brûleur

Publication
EP 0724114 A2 19960731 (DE)

Application
EP 96810023 A 19960110

Priority
DE 19502796 A 19950130

Abstract (en)
The longitudinal axes of symmetry (2a,3a) of the burner parts (2,3) are staggered in their relative position. The walls of the burner parts in their longitudinal direction form tangential ducts (2b,3b) for combustion air (4) flowing into the burner's (1,1a) interior (5). A second duct (6,7) parallel or quasi-parallel to the tangential air-conducting ducts conveys fuel (8) into the interior of the burner. The size of the through-flow cross-section of the fuel-conducting ducts as against those of the air-conducting ducts depends on the calorific value of the fuel injected.

Abstract (de)
Bei einem Brenner (1), der mit einem Magergas (8) (LBTU-Gas) betrieben wird, und aus mindestens zwei hohlen, kegelförmigen, in Strömungsrichtung ineinandergeschachtelten Teilkörpern (2, 3)-besteht. Durch Versetzung der Längssymmetrieachsen (2a, 3a) gegeneinander entstehen tangentielle Kanäle (2b, 3b), durch welche Verbrennungsluft (4) in den Kegelhohlraum (5) strömt. Parallel zu diesen Kanälen (2b, 3b) sind weitere durch Trennwände (6a, 7a) gebildete Kanäle (6, 7) vorhanden, durch welche das Magergas (8) in ähnlicher Menge wie die Verbrennungsluft (4) ebenfalls in den Kegelhohlraum (5) strömt. <IMAGE>

IPC 1-7
F23D 17/00; **F23C 7/00**

IPC 8 full level
F23C 7/00 (2006.01); **F23D 11/12** (2006.01); **F23D 11/40** (2006.01); **F23D 14/02** (2006.01); **F23D 14/24** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP US)
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