

Title (en)

A ceramic burner for gas, particularly for a hot-blast stove for a blast furnace.

Title (de)

Keramischer Gasbrenner, insbesondere in einem Winderhitzer eines Hochofens.

Title (fr)

Brûleur en céramique, en particulier dans un cowper d'un haut-fourneau.

Publication

EP 0090096 A1 19831005 (EN)

Application

EP 82200389 A 19820330

Priority

EP 82200389 A 19820330

Abstract (en)

Burner has parallel vertical supply ducts (1, 2) for the two combustion components (gas and air). A first one (1) of said ducts opens upwardly at a first outlet (3) which is substantially oblong in plan view and the second (2) of said ducts opens at a plurality of second outlets (5a, 5b) which are located on either side of and above the first outlet (3), the general discharge directions of the second outlets, (5a, 5b) being oblique to that of the first outlet (3). The first outlet (3) has, as seen in plan view, a slot shape and has, in its long sides, a plurality of recesses (8) which extend outwardly towards the second outlets (5a, 5b). The second outlets (5a, 5b) are arranged alongside the said long sides of the first outlet (3) with the second outlets (5a, 5b) on one side opposite those on the other side. The recesses (8) are, along the length of the first outlet (3), located alternately in said long sides and, on each said long side, directed towards alternate ones (5b) of said second outlets (5a, 5b).

IPC 1-7

F23D 15/00; C21B 9/10

IPC 8 full level

C21B 9/00 (2006.01); **F23D 14/22** (2006.01)

CPC (source: EP)

C21B 9/00 (2013.01); **F23D 14/22** (2013.01); **F23D 2900/21001** (2013.01)

Citation (applicant)

DE 1803984 A1 19700430 - DIDIER WERKE AG

Citation (search report)

- [AD] DE 1803984 A1 19700430 - DIDIER WERKE AG
- [A] US 2583736 A 19520129 - HESS FREDERIC O
- [A] FR 2083311 A3 19711217 - KONINLIJKE NL [NL]

Cited by

NL1007581C2; EP0306072A1; US4881895A; GB2229523A; FR2644227A1; GB2229523B; BE1004049A3; AU735282B2; GB2274510A; GB2274510B; WO9926020A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0090096 A1 19831005; EP 0090096 B1 19850508; DE 3263643 D1 19850613; DE 90096 T1 19850314

DOCDB simple family (application)

EP 82200389 A 19820330; DE 3263643 T 19820330; DE 82200389 T 19820330