

Title (en)
BURNER

Title (de)
BRENNER

Title (fr)
BRÛLEUR

Publication
EP 4215814 A1 20230726 (EN)

Application
EP 22216528 A 20221223

Priority
IT 202200001178 A 20220125

Abstract (en)
A gas burner (1) comprises a diffuser (4) made of perforated sheet metal forming a combustion surface (5), wherein the diffuser (4) is formed by a plurality of diffuser segments (11) made of perforated sheet metal not belonging to the same piece of sheet metal and completely separated from one another by means of separation slits (12) and placed side-by-side along the separation slits (12), and wherein the separation slits (12) extend over the entire transverse extension of the diffuser (4), wherein on an inner side (13) of the diffuser (4), opposite to the combustion surface (5), a plurality of covering strips (14) made of sheet metal is arranged, and each covering strip (14) extends along respectively one of the separation slits (12) overlapping and at least partially in contact with the free edges (15) of the two bordering diffuser segments (11), delimiting the separation slit (12), so as to cover each of said separation slits (12).

IPC 8 full level
F23D 14/10 (2006.01)

CPC (source: EP)
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Citation (applicant)
EP 3412967 A1 20181212 - WORGAS BRUCIATORI SRL [IT]

Citation (search report)
• [AD] EP 3412967 A1 20181212 - WORGAS BRUCIATORI SRL [IT]
• [A] NL 8801383 A 19891218 - NEFIT NV

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