

Title (en)
NOZZLE MIXING GAS-OXYGEN BURNER

Publication
EP 0069245 A3 19831116 (DE)

Application
EP 82105155 A 19820612

Priority
DE 8119431 U 19810703

Abstract (en)
[origin: EP0069245A2] In order to obtain a short, reacted-out and hot flame in nozzle mixing gas-oxygen burners, it is necessary to make the substance exchange area between gas and oxygen as large as possible. In order to achieve this, the gas nozzle is formed from a large number of pipes (5) of small diameter, while the remaining intermediate space (7) serves as oxygen nozzle. Preferably, the pipes of small diameter are arranged parallel and do not make contact with one another. In this case, there can be arranged in the exit plane of the pipes of small diameter a perforated plate (8) with bores, so that the pipes project into the bores, forming concentric annular gaps (9). The substance exchange area is consequently once again considerably increased. <IMAGE>

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F23D 15/00

IPC 8 full level
F23D 14/22 (2006.01)

CPC (source: EP)
F23D 14/22 (2013.01); **F23D 2900/00012** (2013.01)

Citation (search report)
• [X] US 4169700 A 19791002 - INOUE SHIGEO [JP], et al
• [X] US 3204682 A 19650907 - JOHN TELESHEFSKY, et al
• [A] DE 2031002 A1 19710114
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