

Title (en)

PROCESS AND MULTIPLE FLAME BURNER FOR HEATING METAL WORK PIECES

Publication

EP 0141101 A3 19860326 (DE)

Application

EP 84109917 A 19840821

Priority

DE 3330685 A 19830825

Abstract (en)

[origin: EP0141101A2] 1. A method for the heating or partial heating of metal workpieces by multiple burners supplied with mixtures of fuel gas-oxygen mixtures, characterised in that two kinds of flame gases, A, B, are used, and that the flame gas A is supplied in a mixing proportion smaller than the mixing proportion for maximum ignition speed and flame gas B is supplied in a mixing proportion greater than the mixing proportion for maximum ignition speed.

IPC 1-7

F23D 14/32; F23D 14/56; F23D 14/60

IPC 8 full level

F23D 14/32 (2006.01); **F23D 14/56** (2006.01); **F23D 14/60** (2006.01); **F23D 99/00** (2010.01)

CPC (source: EP)

F23D 14/32 (2013.01); **F23D 14/56** (2013.01); **F23D 14/60** (2013.01); **F23D 91/02** (2015.07)

Citation (search report)

- [A] US 2532567 A 19501205 - CHESTER MOTT, et al
- [A] DE 2049900 A1 19720413
- [A] LINDE BERICHTE AUS TECHNIK UND WISSENSCHAFT, Nr. 48, Dezember 1980, Seiten 36-42, Wiesbaden, DE; L. KÖGEL: "Wärmen mit der Autogenflamme Betrachtungen zum Wärmeübergang und Bewertungskriterien für Brenngas-Sauerstoff-Flammen"

Cited by

DE19750704C2; EP0481835A3; FR2667928A1; US5217366A; US10105749B2; WO2006008169A1

Designated contracting state (EPC)

AT BE CH DE FR LI

DOCDB simple family (publication)

EP 0141101 A2 19850515; **EP 0141101 A3 19860326**; **EP 0141101 B1 19871104**; AT E30632 T1 19871115; DE 3330685 A1 19850314; DE 3467238 D1 19871210; DK 406584 A 19850226; DK 406584 D0 19840824; ES 535346 A0 19850516; ES 8505472 A1 19850516

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EP 84109917 A 19840821; AT 84109917 T 19840821; DE 3330685 A 19830825; DE 3467238 T 19840821; DK 406584 A 19840824; ES 535346 A 19840822