

Title (en)
BURNER WITH A NOZZLE HAVING A WIDE SLOT FOR GENERATING A HOT GAS STREAM

Publication
EP 0051751 A3 19820915 (DE)

Application
EP 81108098 A 19811009

Priority
DE 3042548 A 19801112

Abstract (en)
[origin: EP0051751A2] 1. A burner with a nozzle (2) having an elongated slot for generating a hot gas stream, in particular for the shrinking of plastic film, with a combustion chamber (3) which is arranged upstream of the nozzle (2) and has oblique walls (4, 5) forming a cross-section which tapers in the direction of the nozzle (2) outlet and a flame retention baffle (6) lying opposite the nozzle (2), and extending essentially over the length of the nozzle (2), with a plurality of openings distributed over the outlet face, to which a gas/air mixture is supplied from a pressure distributing chamber (7), characterised in that in the combustion chamber (3), there are arranged directly on the flame retention baffle (6) two rods (11, 12) parallel to the nozzle (2) having a wide slot for forming a main stream (13) directed towards the nozzle (2) outlet and two subsidiary streams (14, 15) directed towards the respective oblique combustion chamber walls (4, 5).

IPC 1-7
F23D 13/36; **F23D 13/00**

IPC 8 full level
F23D 14/58 (2006.01); **F23D 14/74** (2006.01); **F23D 99/00** (2010.01)

CPC (source: EP)
F23D 14/583 (2013.01); **F23D 14/74** (2013.01); **F23D 91/02** (2015.07); **F23D 2900/00003** (2013.01)

Citation (search report)
• [A] DE 2822192 A1 19791122 - MSK VERPACKUNG SYST GMBH
• [A] DE 2645263 A1 19780413 - WARDT VOLKER

Cited by
EP0486169A3; US2018142920A1

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EP 0051751 A2 19820519; **EP 0051751 A3 19820915**; **EP 0051751 B1 19840118**; AT E5917 T1 19840215; DE 3042548 A1 19821007; DE 3161981 D1 19840223

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