

Title (en)

PREMIX BURNER WITH A FLOW RATE OF MORE THAN 1000 LITRES/HOUR

Title (de)

VORMISCHBRENNER MIT EINER DURCHFLUSSMENGE VON MEHR ALS 1000 LITER/STUNDE

Title (fr)

BRULEUR, TEL UN CHALUMEAU MONODARD, A PREMELANGE DE DEBIT SUPERIEUR A 1000 LITRES/HEURE

Publication

**EP 0970325 B1 20011031 (FR)**

Application

**EP 98914950 A 19980319**

Priority

- FR 9800553 W 19980319
- FR 9703879 A 19970328

Abstract (en)

[origin: FR2761457A1] The invention concerns a burner, in particular a single inner cone blowpipe, with flow rate premix more than 1000 l/h comprising a duct (14) supplying gas mixture having an end supplying (32) gas mixture and a single nozzle (16) for producing the flame mounted at the other end. The supply duct (14) is adapted such that, at any point of at least a transverse section thereof, the Reynolds number circulating in the supply duct (14) is less than 3000, when the burner, for example the blowpipe, operates in steady state condition at a flow rate higher than 1000 l/h. The blowpipe is useful for soldering, straightening, preheating before welding, heat forming or thermal treatment.

IPC 1-7

**F23D 14/38**; F23D 14/08; F23D 14/46

IPC 8 full level

**F23D 14/08** (2006.01); **F23D 14/38** (2006.01); **F23D 14/46** (2006.01)

CPC (source: EP)

**F23D 14/08** (2013.01); **F23D 14/38** (2013.01); **F23D 14/46** (2013.01); **F23D 2210/00** (2013.01)

Designated contracting state (EPC)

BE DE ES FR GB IT

DOCDB simple family (publication)

**FR 2761457 A1 19981002**; **FR 2761457 B1 19990514**; AU 6925498 A 19981022; DE 69802273 D1 20011206; DE 69802273 T2 20020711; EP 0970325 A1 20000112; EP 0970325 B1 20011031; ES 2167071 T3 20020501; WO 9844296 A1 19981008

DOCDB simple family (application)

**FR 9703879 A 19970328**; AU 6925498 A 19980319; DE 69802273 T 19980319; EP 98914950 A 19980319; ES 98914950 T 19980319; FR 9800553 W 19980319