

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

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Application

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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.

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