

Title (en)

TWO-GASES BURNER PROVIDED WITH AN ANTI-INTERNAL-INFLAMMATION DEVICE

Publication

EP 0031279 B1 19830914 (FR)

Application

EP 80401792 A 19801212

Priority

FR 7930555 A 19791213

Abstract (en)

[origin: EP0031279A1] 1. Two-gas welding torch having an interior fireproof device, the welding torch comprising a handle (10) provided with a lance (11) which has at the rear a tubular end-piece (26) defining a mixing chamber (29) supplied through tap means (19) and injector means (27, 28), in which holding torch the interior fireproof device comprises a valve (38, 39) which is interposed between the tap means (19) and the injector (27) of one of the two gases, the valve having a fixed contact surface (38) integral with the handle (10) and a movable contact surface formed at the rear of tubular end-piece (26) and tending to close, by the effect of thermal expansion of the end-piece (26), in response to accidental increase in temperature in a region (R) of the mixing chamber (29) situated slightly downstream of the injector means (27, 28), the said expandible end-piece (26) being surrounded by and spaced from a fixed outer casing on which the end-piece (26) is in forward abutment so that the expansion of the end-piece (26) is produced toward the rear to close the valve (38, 39), the welding torch being characterized in that the lance (11) is capable of being fixed to the handle (10) by the medium of a msleeve (42) which constitutes the said fixed outer casing and which precedes the handle (10) while being held by a ring (12) in abutment against the front end (46) of the handle (10).

IPC 1-7

F23D 13/46; **F23D 13/00**

IPC 8 full level

F23D 14/38 (2006.01); **F23D 14/82** (2006.01)

CPC (source: EP)

F23D 14/38 (2013.01); **F23D 14/825** (2013.01)

Cited by

CN104024734A; US9765662B2; US9243531B2; US9249704B2; US9746175B2

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DOCDB simple family (publication)

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