

Title (en)
Cutting torch

Title (de)
Schneidbrenner

Title (fr)
Torche de coupage

Publication
EP 0687859 A3 19970514 (DE)

Application
EP 95108886 A 19950609

Priority
DE 4420935 A 19940616

Abstract (en)
[origin: DE4420935C1] The burner has a valve body, a burner head, and a nozzle whose heating passage are connected via a distribution passage to a feed passage for the mixture of combustion gas and heating oxygen. The cutting-oxygen passage is connected to a feed passage for this oxygen, and the ignition-gas passage is connected to the distribution passage or the mixture feed passage. One or more valves (47) are incorporated in the ignition-gas passage (29). The valve can be preceded by a flame-trap (42) and followed by an adjusting valve (48) or baffle. The ignition-gas passage can be taken from the distribution passage (45) out of the valve body (11) and back into the burner and as far as the head (12), where it discharges into the feed passage (16) for the cutting oxygen.

IPC 1-7
F23D 14/42

IPC 8 full level
F23D 14/42 (2006.01)

CPC (source: EP)
F23D 14/42 (2013.01)

Citation (search report)
• [A] DE 4235856 A1 19940505 - MESSER GRIESHEIM GMBH [DE]
• [AD] DE 3527955 A1 19870212 - MESSER GRIESHEIM GMBH [DE]
• [AD] DE 4143144 A1 19930701 - GCE RHOENA AUTOGENERATE GMBH [DE]

Cited by
CN106002078A; FR2837914A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 4420935 C1 19950720; DE 59509086 D1 20010419; EP 0687859 A2 19951220; EP 0687859 A3 19970514; EP 0687859 B1 20010314

DOCDB simple family (application)
DE 4420935 A 19940616; DE 59509086 T 19950609; EP 95108886 A 19950609