Title (en)
METHOD OF AUTOMATICALLY MONITORING A FLAME

Publication
EP 0208196 A3 19881012 (DE)

Application
EP 86108632 A 19860625

Priority
DE 3524773 A 19850711

Abstract (en)
[origin: EP0208196A2] The invention relates to a method of automatically monitoring a flame (69) in the heat treatment of workpieces with a torch (10), in particular in cutting with an autogenous torch, ignitable gases and/or gas mixtures being supplied to the torch (10) and the gases being ignited by means of an ignition device to produce a flame. In order to avoid the use of additional measuring gases as well as sensors arranged outside the torch (10) for automatic monitoring of the flame (69) and to provide a device for the automatic monitoring of the flame, which is simply constructed economically and can also be manufactured, and does not lead to any equipment geometry which disrupts the treatment sequence, the pressure present at least during ignition in a region, in which the flame (69) develops, preferably in the vicinity of the developing flame cone (68), is detected and supplied to a monitoring device. <IMAGE>

IPC 1-7
F23D 14/72; F23D 14/54

IPC 8 full level
F23D 14/54 (2006.01); **F23D 14/72** (2006.01)

CPC (source: EP)
F23D 14/54 (2013.01); **F23D 14/72** (2013.01)

Citation (search report)
- [A] DE 1729900 A1 19710729 - MESSER GRIESHEIM GMBH
- [AD] CH 420022 A 19660915 - MESSER GRIESHEIM GMBH [DE]
- [AD] GB 1241129 A 19710728 - KOIKE SANSO KOGYO COMPANY LTD [JP]

Cited by
EP2136140A1; US5344313A; AU665307B2; US5451140A; EP0656509A4; WO2018035965A1

Designated contracting state (EPC)
AT BE CH FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0208196 A2 19870114; **EP 0208196 A3 19881012**; DE 3524773 A1 19870122

DOCDB simple family (application)
EP 86108632 A 19860625; DE 3524773 A 19850711