

Title (en)
OXYACETYLENE CUTTING APPARATUS

Title (de)
SCHNEIDBRENNER

Title (fr)
CHALUMEAU D'OXYCOUPAGE

Publication
EP 0983472 B1 20011219 (FR)

Application
EP 98925710 A 19980514

Priority
• FR 9800961 W 19980514
• FR 9706108 A 19970520

Abstract (en)
[origin: US6261512B1] The oxy-cutting torch comprises a support element (10) made from an undeformable block of stainless steel, and a heater element (20) permanently fixed against a bottom face (19) of the support element (10), which heater element is made from a solid block of copper in which passages are formed for gases and cooling fluid, which passages communicate directly with corresponding pipes of the support element (10). At least one nozzle (30) is positioned with precision in two bores (41, 32) in axial alignment provided respectively in the support element (10) and in the heater element (20), the nozzle being connected to a cutting oxygen feed pipe (14.6). A holder element (40) is preferably used to improve the precision with which the nozzle (30) is positioned.

IPC 1-7
F23D 14/42; **F23D 14/54**

IPC 8 full level
F23D 14/42 (2006.01); **F23D 14/54** (2006.01)

CPC (source: EP US)
F23D 14/42 (2013.01 - EP US); **F23D 14/54** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6261512 B1 20010717; AT E211237 T1 20020115; AU 7772798 A 19981211; CA 2290669 A1 19981126; CA 2290669 C 20040914; DE 69803061 D1 20020131; DE 69803061 T2 20020801; EP 0983472 A1 20000308; EP 0983472 B1 20011219; ES 2169523 T3 20020701; FR 2763668 A1 19981127; FR 2763668 B1 19990806; WO 9853250 A1 19981126

DOCDB simple family (application)
US 42407200 A 20000202; AT 98925710 T 19980514; AU 7772798 A 19980514; CA 2290669 A 19980514; DE 69803061 T 19980514; EP 98925710 A 19980514; ES 98925710 T 19980514; FR 9706108 A 19970520; FR 9800961 W 19980514