

Title (en)  
TORCH FOR THERMOCHEMICAL SEPARATION AND/OR DESURFACING STEEL WORK-PIECES

Publication  
**EP 0068165 B1 19870304 (DE)**

Application  
**EP 82104845 A 19820603**

Priority  
DE 3122404 A 19810605

Abstract (en)  
[origin: EP0068165A2] 1. A burner for the thermochemical separation or desurfacing of thick steel workpieces of a thickness of from 150 to 600 mm by means of an oxygen lance, the burner mainly comprising a nozzle holder (3) and a nozzle (1) formed with a cutting oxygen entry bore (13), a nozzle bore (11) and a cutting oxygen exit bore (12), characterised in that the nozzle bore (11) is shaped cylindrically over its length of between 0.5 and 10 mm and has a diameter of from 1.5 to 3.6 mm and the transition (14) from the oxygen entry bore (13) to the nozzle bore (11) is sharp-edged.

IPC 1-7  
**F23D 14/20**; **F23D 14/54**

IPC 8 full level  
**F23D 14/20** (2006.01); **F23D 14/54** (2006.01); **F23D 14/56** (2006.01)

CPC (source: EP)  
**F23D 14/54** (2013.01); **F23D 14/56** (2013.01)

Cited by  
CN107116479A; EP1632303A1; EP0780184A1; AU721006B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0068165 A2 19830105**; **EP 0068165 A3 19830907**; **EP 0068165 B1 19870304**; **EP 0068165 B2 19940928**; AT E25760 T1 19870315; DE 3122404 A1 19830105; DE 3275582 D1 19870409

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