

Title (en)
Gas mixing cutting tip

Title (de)
Gasmischende Brennschneiddüse

Title (fr)
Buse de coupe pour mélange de gaz

Publication
EP 0751346 B1 20000426 (DE)

Application
EP 96110199 A 19960625

Priority
DE 19523499 A 19950628

Abstract (en)
[origin: EP0751346A1] Flow ducts (8,9) for the mixture of fuel gas and heating oxygen are positioned around the central cutting duct. The flow ducts are continuously milled from the mouth of the fuel gas passage as far as the bottom part (12) of the first and second rotary part (1,11) of the burner cutting nozzle. The first rotary part tapers in a truncated cone shape in the bottom part. A central inner hole in the second rotary part tapers in a truncated cone shape in its bottom part, so that the flow ducts point inwards.

IPC 1-7
F23D 14/54

IPC 8 full level
F23D 14/54 (2006.01)

CPC (source: EP US)
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Cited by
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AT CH DE ES FR GB IE IT LI NL PT SE

DOCDB simple family (publication)
EP 0751346 A1 19970102; EP 0751346 B1 20000426; AT E192224 T1 20000515; DE 19523499 A1 19970109; DE 19523499 C2 20020124; DE 59605025 D1 20000531; ES 2147329 T3 20000901; PT 751346 E 20001031; US 5799878 A 19980901

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EP 96110199 A 19960625; AT 96110199 T 19960625; DE 19523499 A 19950628; DE 59605025 T 19960625; ES 96110199 T 19960625; PT 96110199 T 19960625; US 67253996 A 19960628