

Title (en)
A cutting nozzle.

Title (de)
Schneiddüse.

Title (fr)
Buse à couper.

Publication
EP 0363945 A1 19900418 (EN)

Application
EP 89118923 A 19891012

Priority
ZA 887611 A 19881012

Abstract (en)
A cutting nozzle (10) has replaceable jet elements (14) which are receivable in chambers between an inlet (28) for pre-heat oxygen and an outlet, with each jet element (14) defining a venturi which communicates with an inlet (36) for fuel. The characteristics of the nozzle (10) are variable by using jet elements (14) with different orifice sizes. As the jet elements (14) provide a low pressure, the nozzle (10) may be used with a demand valve in the fuel line.

IPC 1-7
F23D 14/42

IPC 8 full level
F23D 14/54 (2006.01)

CPC (source: EP)
F23D 14/54 (2013.01)

Citation (search report)
• [A] US 2993531 A 19610725 - SPIES JR GEORGE R, et al
• [A] US 3042106 A 19620703 - EPHRAIM WERNER
• [A] US 2392593 A 19460108 - JENKINS ALEXANDER F
• [A] EP 0191741 A2 19860820 - AGA AB [SE]

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
DE 8912142 U1 19891123; AU 4266889 A 19900426; EP 0363945 A1 19900418

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