

Title (en)  
Nozzle head

Title (de)  
Düsenkopf

Title (fr)  
Tête à buse

Publication  
**EP 1787755 A1 20070523 (DE)**

Application  
**EP 06123261 A 20061031**

Priority  
DE 202005018108 U 20051119

Abstract (en)  
The spray head for a liquid jet cutter has a passage (4) for high pressure water and a separate channel (4) for an abrasive. The passage and channel extend in parallel, or nearly parallel. The ejection passage (5) for the abrasive laden liquid extends at right angles to the feed passage. The spray head can be formed in two sections with a separation face parallel to the feed passage.

IPC 8 full level  
**B24C 5/04** (2006.01); **B24C 3/32** (2006.01)

CPC (source: EP US)  
**B24C 3/325** (2013.01 - EP US); **B24C 5/02** (2013.01 - EP US); **B24C 5/04** (2013.01 - EP US); **Y10S 239/08** (2013.01 - EP US); **Y10T 83/364** (2015.04 - EP US)

Citation (search report)

- [X] US 2577465 A 19511204 - ANDY JONES, et al
- [X] DE 29611512 U1 19960905 - COMADUR S A COMADUR AG COMADUR [CH]
- [X] DE 10225304 A1 20031218 - BOSCH GMBH ROBERT [DE]
- [X] GB 2094679 A 19820922 - RELIANCE HYDROTECH LTD
- [X] WO 9719755 A1 19970605 - BRUNS CRAIG R [US], et al
- [X] EP 0659523 A1 19950628 - SNECMA [FR]
- [X] EP 0385561 A1 19900905 - MANNESMANN AG [DE]
- [X] DE 19809367 A1 19990909 - NAGEL MASCH WERKZEUG [DE]
- [X] DE 19830397 A1 20000120 - DIW INSTANDHALTUNG GMBH [DE]
- [A] US 4852800 A 19890801 - MURDOCK G DUNCAN [US]
- [A] US 2004035958 A1 20040226 - GROMES TERRY DEAN [US]

Cited by  
JP2010538853A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**US 2007165060 A1 20070719; US 7780100 B2 20100824**; AT E418421 T1 20090115; DE 202005018108 U1 20060112; DE 502006002424 D1 20090205; EP 1787755 A1 20070523; EP 1787755 B1 20081224; ES 2320170 T3 20090519; PL 1787755 T3 20090630

DOCDB simple family (application)  
**US 60083006 A 20061117**; AT 06123261 T 20061031; DE 202005018108 U 20051119; DE 502006002424 T 20061031; EP 06123261 A 20061031; ES 06123261 T 20061031; PL 06123261 T 20061031