

Title (en)
Pipe cleaning nozzle

Title (de)
Rohrreinigungsdüse

Title (fr)
Buse de nettoyage de tuyaux

Publication
EP 1046434 A3 20010214 (DE)

Application
EP 00105678 A 20000317

Priority
DE 19913728 A 19990326

Abstract (en)
[origin: EP1046434A2] Pipe cleaning nozzle comprises a nozzle head (12) having connecting supports (13) arranged on a concave back wall (17) of th head. Preferred Features: The nozzle head has a convex front wall with nozzle openings (21) on the edge.

IPC 1-7
B08B 9/049; **E03F 9/00**; **B05B 1/14**

IPC 8 full level
B05B 1/14 (2006.01); **B08B 9/04** (2006.01); **B08B 9/049** (2006.01); **B08B 9/053** (2006.01); **E03F 9/00** (2006.01)

CPC (source: EP US)
B08B 9/049 (2013.01 - EP US); **B08B 9/0495** (2013.01 - EP US)

Citation (search report)
• [XA] WO 9749505 A1 19971231 - FAXON JOHAN [SE]
• [X] EP 0856364 A2 19980805 - LUFTHANSA TECHNIK AG [DE]

Cited by
EP1946854A1; FR2830470A1

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

DOCDB simple family (publication)
EP 1046434 A2 20001025; **EP 1046434 A3 20010214**; **EP 1046434 B1 20031210**; DE 19913728 C1 20001026; DE 50004688 D1 20040122; US 6394112 B1 20020528

DOCDB simple family (application)
EP 00105678 A 20000317; DE 19913728 A 19990326; DE 50004688 T 20000317; US 53244100 A 20000323