

Title (en)
Pipe cleaning nozzle

Title (de)
Rohrreinigungsdüse

Title (fr)
Buse de nettoyage de tuyaux

Publication
EP 1046434 B1 20031210 (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)

Cited by
EP1946854A1; FR2830470A1

Designated contracting state (EPC)
DE FR GB

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