

Title (en)
DRILLING HEAD

Title (de)
BOHRKOPF

Title (fr)
TETE D'ALESAGE

Publication
EP 1353765 B1 20041103 (DE)

Application
EP 01997366 A 20011122

Priority
• DE 10057877 A 20001122
• EP 0113612 W 20011122

Abstract (en)
[origin: WO0242014A1] A drilling head (1) is disclosed, in particular for introduction into pipelines, with a rear connector piece (2) and a forward cutting body (3) of the size of the diameter, comprising cutting ribs (4), extending in the advancing direction (V), which have a convex arch and have a cutting edge (5) on both sides of the radial end thereof in the direction of the circumference. Conventional drilling heads can be applied only with difficulty in curved pipelines and have a tendency to damage the inner wall of the pipeline. The disclosed drilling head (1) has a cutting body (3) with a conical cutting head tip (7), surrounded by the back-cut tips (6) of the cutting ribs (4) which lie set back along a longitudinal axis (Y).

IPC 1-7
B08B 9/045; **E03F 9/00**; **E21B 10/26**; **E21B 37/02**

IPC 8 full level
B08B 9/04 (2006.01); **B08B 9/045** (2006.01); **E03F 9/00** (2006.01); **E21B 10/26** (2006.01); **E21B 37/02** (2006.01)

CPC (source: EP US)
B08B 9/045 (2013.01 - EP US); **E03F 9/005** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 0242014 A1 20020530; AT E281250 T1 20041115; DE 10057877 A1 20020529; DE 10057877 C2 20021017; DE 50104442 D1 20041209; EP 1353765 A1 20031022; EP 1353765 B1 20041103; US 2004084221 A1 20040506; US 6932170 B2 20050823

DOCDB simple family (application)
EP 0113612 W 20011122; AT 01997366 T 20011122; DE 10057877 A 20001122; DE 50104442 T 20011122; EP 01997366 A 20011122; US 43231103 A 20031205