

Title (en)

Boring ram for the destructive replacement of a buried pipe

Title (de)

Rammbohrgerät zum zerstörenden Ersetzen erdverlegter Rohrleitungen

Title (fr)

Mouton de forage pour le remplacement par destruction d'une conduite enterrée

Publication

**EP 0731252 A3 19971119 (DE)**

Application

**EP 96103364 A 19960305**

Priority

DE 19508450 A 19950309

Abstract (en)

[origin: EP0731252A2] The drill has a conical point, a breaker head (6) fitted on the point, a pull cable engaging with the point, and a cable cover in the form of an elastic sleeve. The point has an axial opening (3) for a pull cable adaptor (11-13) and a transverse opening for the fastening pin (5) of the adaptor. The adaptor consists of a pull rod (11) with an eye (12) for the fastening pin and a lug on the rod free end protruding out of the head.

IPC 1-7

**E21B 29/00**; **E21B 7/30**

IPC 8 full level

**F16L 1/024** (2006.01); **E21B 7/30** (2006.01); **E21B 29/00** (2006.01); **E21D 9/06** (2006.01)

CPC (source: EP US)

**E21B 7/30** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0190933 A2 19860813 - BRICKHOUSE DUDLEY PLC [GB]
- [Y] CH 680776 A5 19921113 - MINDER SCHWEISS SERVICE
- [A] DE 3931458 C1 19910207
- [A] DE 4042140 C1 19920213

Cited by

DE10259111B3; WO0107822A1

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

**EP 0731252 A2 19960911**; **EP 0731252 A3 19971119**; **EP 0731252 B1 20030625**; DE 19508450 A1 19960912; DE 19508450 C2 19970313; DE 59610547 D1 20030731; JP 2727314 B2 19980311; JP H09184579 A 19970715; US 5876152 A 19990302

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