

Title (en)

Process for laying a pipeline through an earth mass.

Title (de)

Verfahren zum Verlegen einer Rohrleitung durch den Erdboden.

Title (fr)

Procédé pour poser un conduit au travers du sol.

Publication

**EP 0360321 A1 19900328 (EN)**

Application

**EP 89202233 A 19890904**

Priority

NL 8802302 A 19880916

Abstract (en)

Process for laying a pipeline (12) according to a curved path (3) through an earth mass(1) by first moving a drill(4) and a series of pipe sections (5) in one direction,mounting a reamer (9) to the drill and returning in the opposite direction with the pipeline (12) connected to the reamer (9),said reamer being open at the front (10) but closed at the rear adjacent a rotational coupling with the pipeline(12) and at said closed end connected to a dichargeline(11). During pulling of the reamer and pipeline by the drill-series water under pressure is fed to the reamer (9) and the pulling force is kept in balance with the waterpressure at the reamer (9) and the counterpressure in the dichargeline (11). Lubrication of the outside of the pipeline is limited,sothat no lubricant,such as bentonite leaves the drilled hole.

IPC 1-7

**E21B 7/20**; **E21B 7/28**; **E21B 21/08**

IPC 8 full level

**E21B 7/20** (2006.01); **E21B 7/28** (2006.01); **E21B 21/00** (2006.01); **E21B 21/08** (2006.01); **E21B 21/12** (2006.01)

CPC (source: EP US)

**E21B 7/20** (2013.01 - EP); **E21B 7/28** (2013.01 - EP); **E21B 21/003** (2013.01 - EP); **E21B 21/08** (2013.01 - EP US); **E21B 21/12** (2013.01 - EP)

Citation (search report)

- [A] US 4176985 A 19791204 - CHERRINGTON MARTIN D [US]
- [A] WO 8808480 A1 19881103 - HORIZONTAL DRILLING INT [FR]
- [A] US 4221503 A 19800909 - CHERRINGTON MARTIN D
- [A] NL 174293 C 19871016 - READING & BATES CONSTR
- [A] US 3878903 A 19750422 - CHERRINGTON MARTIN DEE

Cited by

DE102013013477A1; DE102013021889A1; DE102015003157A1; CN100425801C; CN100425802C; RU2696692C2; CN108590692A; CN116951171A; GB2386139A; GB2386139B; DE19808478A1; DE19808478C2; EP0468664A3; EP0799969A3; EP1050661A3; RU2645685C2; WO0159248A1; US10364611B2; US10443761B2; FR2809449A1; DE102021125909A1; WO2023057400A1; DE102021125909B4

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0360321 A1 19900328**; NL 8802302 A 19900417

DOCDB simple family (application)

**EP 89202233 A 19890904**; NL 8802302 A 19880916