

Title (en)

METHOD AND BORING RAM FOR LAYING SERVICE LINES WITHOUT EXCAVATION

Publication

**EP 0353442 A3 19910130 (DE)**

Application

**EP 89111259 A 19890621**

Priority

DE 3826513 A 19880804

Abstract (en)

[origin: EP0353442A2] In a method for laying service lines in the ground without excavation by means of a boring ram (1, 101, 201), old lines (6, 106, 206) lying in the ground are replaced with new service lines without having to rip up the ground or destroy the old line (6, 106, 206) in the ground, and it is possible to lay the new line accurately in a precise position when the boring ram (1, 101, 201) has a guiding bore (5, 105, 205) extending axially through the ram housing (2) and is guided on the old line (6, 106, 206). <IMAGE>

IPC 1-7

**E21B 7/26**; **E21B 7/28**; **E21B 7/20**

IPC 8 full level

**E21B 4/14** (2006.01); **E21B 4/16** (2006.01); **E21B 7/26** (2006.01); **E21B 7/30** (2006.01)

CPC (source: EP US)

**E21B 4/145** (2013.01 - EP US); **E21B 4/16** (2013.01 - EP US); **E21B 7/30** (2013.01 - EP US)

Citation (search report)

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