

Title (en)
UNDERGROUND PIPE ELEMENT PUSHING DEVICE

Publication
EP 0188266 A3 19871014 (DE)

Application
EP 86100384 A 19860114

Priority
DE 3501536 A 19850118

Abstract (en)
[origin: US4684290A] An apparatus for below-ground driving of pipeline segments made from lengths of production pipe, especially those having rated pipeline widths that are not man-sized. Driving is effected by means of a driving apparatus, which is disposed in a jacking shaft and from there drives pipeline segments via a thrust bridge. The driving apparatus comprises threaded driving mechanisms disposed parallel to one another in the length of the pipeline segments. By means of the threaded drive mechanisms, the thrust bridge can be moved back and forth, via at least one motor drive means rotating the parallel threaded spindles of the threaded drive mechanisms about their axes of rotation. The field in which the apparatus is used is preferably sewer construction, involving sewer mains and household connection lines branching off from them. Both types of line can be driven forward out of the jacking shafts, in which the apparatus can be brought into a desired driving direction by rotating it in the shaft.

IPC 1-7
F16L 1/02; **E21B 7/04**

IPC 8 full level
E21B 7/04 (2006.01); **E21B 7/20** (2006.01)

CPC (source: EP US)
E21B 7/046 (2013.01 - EP US); **E21B 7/201** (2013.01 - EP US)

Citation (search report)
• [Y] US 1726438 A 19290827 - WILLIAM KNORR MAX
• [A] US 1498062 A 19240617
• [Y] NEUE DELIWA-ZEITSCHRIFT, Nr. 8, August 1976, Seiten 272-275, H. HAHN "Horizontal-Press-Bohrgeräte"

Cited by
CN111322006A; EP0270458A1; FR2607531A1

Designated contracting state (EPC)
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EP 0188266 A2 19860723; **EP 0188266 A3 19871014**; DE 3501536 A1 19860724; DE 3501536 C2 19870430; US 4684290 A 19870804

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