

Title (en)

PROPELLING SYSTEM IN SMALL DIAMETER PIPE PROPELLER

Publication

**EP 0521157 A4 19930908 (EN)**

Application

**EP 91906267 A 19910313**

Priority

- JP 2728990 U 19900319
- JP 9100343 W 19910313

Abstract (en)

[origin: EP0521157A1] A propelling system in a small diameter pipe propeller, wherein in the small diameter pipe propeller for propelling small diameter pipes (4) into the ground using a main body (1) of the propelling system installed in a launching shaft (2) and burying it, propelling jacks (5) and propelling rods (14) are provided in the direction of propelling the small diameter pipes (4), the forward ends of the propelling rods (14) are movably supported by cylinders (5a) of the propelling jacks (5), the rear ends thereof are fixed to the forward ends of piston rods (5b), a driving device (7) for propelling the small diameter pipes (4) is reciprocatingly movably provided between the propelling rods (14), connecting means (8), (9) for selectively connecting the driving device (7) with the propelling jacks (5) or propelling rods (14) are interposed therebetween, and connecting means (12), (13) for selectively connecting the both ends of the propelling jacks (5) and reaction receiving means (6) are interposed therebetween. Consequently, the small diameter pipes can be propelled into the ground when either the shrinkage or extension of the propelling jacks is effected, and the works can be carried out in a limited space. <IMAGE>

IPC 1-7

**E21D 9/06**; **E21B 7/04**

IPC 8 full level

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