

Title (en)  
ADVANCEMENT OF PIPE ELEMENTS IN THE GROUND

Title (de)  
VORTRIEB VON ROHRELEMENTEN IM UNTERGRUND

Title (fr)  
AVANCEMENT D'ELEMENTS TUBULAIRES DANS UN TERRAIN

Publication  
**EP 1727964 A1 20061206 (DE)**

Application  
**EP 05706512 A 20050217**

Priority  
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Abstract (en)  
[origin: WO2005080753A1] The aim of the invention is to advance pipe elements (18) for constructing an elongate structure in a soft, stony, rocky, and/or monolithic ground. Said aim is achieved by determining the force of advancement (40), the eccentricity (52) thereof in relation to the neutral axis (N), and/or the direction of advancement (28) with the aid of a pressing device (24) and extension elements (44) which are filled with fluid and are disposed on the face of the joints (70) of the tubing (14). The fluid pressure (p) is measured in at least one portion of the extension elements (44) which extends along the entire length of the tubing (14), and/or the deformation is measured in some of the joints (70). The force of advancement (40) and the eccentricity (52) are calculated from said parameters, and the values are stored and/or are compared to stored standard values. According to a variant, the eccentricity (52) is calculated, and the values are converted into control commands for the pressing device (24) and/or the individual fluid supply to or the individual fluid discharge from the extension elements (44).

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Cited by  
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