Title (en)

METHOD AND SYSTEM FOR BORING A SHAFT

Title (de)

BOHRVERFAHREN UND SCHACHTBOHRSYSTEM

Title (fr)

UNE MÉTHODE ET UN SYSTÈME DE FORAGE DE PUITS

Publication

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Application

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Abstract (en)

[origin: WO2017167856A1] The invention relates to a boring method in which overburden in a shaft end of a drilled shaft (10) is created by a drill unit (90). The overburden is transferred by means of liquid into a container (30, 40) provided within the drilled shaft (10). A mixture of overburden and liquid is thus located in the container (30, 40). The container (30, 40) is flooded by further transfer of overburden by means of liquid, wherein at least excess liquid overflows. A residual mixture remains in the container (30, 40). The liquid that has overflowed is returned to the shaft end. The residual mixture is transported away through the drilled shaft (10). By way of this special separation method, free spaces are created in the region of the drill unit (90), which, even in the case of relatively small shaft diameters, for the first time allows effective, safe and commercially advantageous drilling operation in full shaft drilling mode. The invention also relates to a shaft drilling system which is suitable for carrying out the drilling method.

IPC 8 full level

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