

Title (en)
SYSTEM FOR THE CONTINUOUS EXCAVATION OF CUT-OFF WALLS

Title (de)
SYSTEM FÜR DEN KONTINUIERLICHEN AUSHUB VON DICHTWÄNDEN

Title (fr)
SYSTEME D'EXCAVATION CONTINUE DE MURS DE PROTECTION

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Abstract (en)
The system is based on a shovel whose jaws (3) have a system which pushes the material towards a loading chamber (4) with no-return gates (5), wherein a pressure filter effect is produced, separating the liquids and the bentonite mud using filtering zones. The compressed material, free of liquid and mud, ascends to a continuous transporting means comprising a loading chamber (10) of variable volume, actuated by hydraulic cylinders (11'), with lower gates (12) and upper gates (12') which "pump" the material towards an evacuation pipe (13) which extends up to the surface. The system provides for the evacuation, extraction and unloading of the material to the surface, in a completely continuous way, without the need to interrupt the excavation for extraction with the jaws (3), which is what is conventionally done. In addition, the material extracted is also compacted and perfectly inert for the purposes of dumping and poses no danger from an environmental point of view. <IMAGE>

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