

Title (en)
WATER-ABRASIVE-SUSPENSION CUTTING SYSTEM AND METHOD FOR WATER-ABRASIVE-SUSPENSION CUTTING

Title (de)
WASSER-ABRASIV-SUSPENSIONS-SCHNEIDANLAGE UND VERFAHREN ZUM WASSER-ABRASIV-SUSPENSIONS-SCHNEIDEN

Title (fr)
INSTALLATION ET PROCÉDÉ DE DÉCOUPE PAR JET D'EAU CHARGÉE D'ABRASIF EN SUSPENSION

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Application
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Abstract (en)
[origin: WO2018177557A1] The invention relates to a water-abrasive-suspension cutting system (1), which has a high-pressure source (3) for providing (301) water under high pressure, a high-pressure line (5) connected to the high-pressure source (3), a pressure container (11) for providing an abrasive medium suspension (13) under high pressure, a lock chamber (21) which is configured to be under high pressure from time to time and under low pressure from time to time, and a filling valve (23) for filling (311) the lock chamber (21). The suction side of a pump (31) is connected fluidically to the lock chamber (21) such that the pump can be shut off in such a way that, when there is high pressure in the lock chamber (21), the pump (31) is shut off from the latter, and when there is low pressure in the lock chamber (21), the pump is capable of sucking an abrasive medium suspension into the lock chamber (21) through the filling valve (23).

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