

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

Publication
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Application
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Abstract (en)
[origin: WO2018177558A1] The invention relates to a water-abrasive-suspension cutting system (1) having 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 vessel (11) for providing (303) an abrasive medium suspension (13) under high pressure, a lock chamber (21), which is designed to be temporarily under high pressure and temporarily under low pressure, and a refill valve (19) for refilling (311) the pressure vessel (11) from the lock chamber (21). A conveying aid (45) is fluidically connected to the pressure vessel (11) on the suction side such that the conveying aid (45) under high pressure in the lock chamber (21) is able to suction an abrasive medium suspension through the refill valve (19) out of the lock chamber (21) into the pressure vessel (11).

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Citation (search report)
See references of WO 2018177558A1

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