

Title (en)  
WATER ABRASIVE SUSPENSION CUTTING SYSTEM

Title (de)  
WASSER-ABRASIV-SUSPENSION-SCHNEIDANLAGE

Title (fr)  
INSTALLATION DE COUPE PAR SUSPENSION AQUEUSE ABRASIVE

Publication  
**EP 2814637 B1 20151125 (DE)**

Application  
**EP 12703828 A 20120215**

Priority  
EP 2012052622 W 20120215

Abstract (en)  
[origin: WO2013120524A1] The invention relates to a water abrasive suspension cutting system having a high pressure source (2) which provides water at high pressure, at least one outlet nozzle (8) and a high-pressure line (6) connecting the high-pressure source (2) to the outlet nozzle (8), wherein an abrasive-agent feed device (14) connected to the high-pressure line (6) is provided, wherein the abrasive-agent feed device (14) has a sluice having a rotary body (22) which is driven rotatably about a rotation axis D, the rotary body (22) is provided, in a circumferential region (30) extending about the rotation axis D, with a plurality of circumferentially spaced apart depressions (32), and wherein a mouth (38) of an abrasive-agent feed line (34) and an inlet opening (42) into the high-pressure line (6) are located opposite the circumferential region (30) such that the depressions (32) are movable alternately into a position opposite the mouth (38) and a position opposite the inlet opening (42) by rotating the rotary body (22) about the rotation axis D.

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Cited by  
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