

Title (en)
DEVICE FOR ABRASIVE FLUID-JET CUTTING

Title (de)
VORRICHTUNG ZUM ABRASIVEN FLUIDSTRAHLSCHNEIDEN

Title (fr)
DISPOSITIF DE COUPE PAR JET DE FLUIDE ABRASIF

Publication
EP 3532245 A1 20190904 (DE)

Application
EP 17787120 A 20171004

Priority
• DE 102016220926 A 20161025
• EP 2017075117 W 20171004

Abstract (en)
[origin: WO2018077576A1] Device for abrasive fluid-jet cutting with a compressor unit (1) for compressing a fluid, which can be fed to a nozzle (25) in the form of a stream of high-pressure fluid, wherein the nozzle (25) is designed for discharging a high-pressure fluid jet (33). The stream of fluid to the nozzle (25) can be interrupted, or at least greatly restricted, by an interrupter unit (6), wherein the interrupter unit (6) comprises a control chamber (8), which can be filled with high-pressure fluid and can be connected to a drainage chamber (19) by way of a control valve (14). The quantity of control fluid removed by way of the control valve (14) flows through a feed line (20) into a mixing chamber (27), wherein an abrasive channel (22) carrying abrasive particles opens out into the feed line (20) and the quantity of control fluid mixes with the high-pressure fluid jet (33).

IPC 8 full level
B24C 5/02 (2006.01); **B24C 7/00** (2006.01)

CPC (source: EP)
B24C 5/02 (2013.01); **B24C 1/045** (2013.01); **B24C 7/0007** (2013.01)

Citation (search report)
See references of WO 2018077576A1

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Designated extension state (EPC)
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