

Title (en)
WATERJET DEVICE

Title (de)
WASSERSTRAHLVORRICHTUNG

Title (fr)
DISPOSITIF À JET D'EAU

Publication
EP 2097223 B1 20120620 (EN)

Application
EP 07857582 A 20071214

Priority
• EP 2007063936 W 20071214
• GB 0624892 A 20061214

Abstract (en)
[origin: WO2008071785A1] An abrasive waterjet apparatus comprising a water jet fluid flow circuit, a positive displacement pump connected to the water jet fluid flow circuit, a pressure fluctuation equalising device (24) for said circuit, and an abrasive cutting nozzle assembly. The pressure fluctuation equalising device (24) comprises a high pressure chamber (27') connected to the waterjet fluid flow circuit, a low pressure chamber (29), and a moveable pressure equalising member (20, 21) that separates said chambers. In order to equalise pressure fluctuations in the waterjet fluid flow circuit, the moveable pressure equalising member (20, 21) is arranged to alter the volume of the high pressure chamber (27').

IPC 8 full level
B24C 9/00 (2006.01)

CPC (source: EP US)
B24C 1/045 (2013.01 - EP); **B24C 9/00** (2013.01 - EP US)

Cited by
JP2015512793A; WO2013135538A1; US10252399B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008071785 A1 20080619; EP 2097223 A1 20090909; EP 2097223 B1 20120620; GB 0624892 D0 20070124; US 2010120332 A1 20100513

DOCDB simple family (application)
EP 2007063936 W 20071214; EP 07857582 A 20071214; GB 0624892 A 20061214; US 51695507 A 20071214