

Title (en)
WATER-ABRASIVE-SUSPENSION CUTTING SYSTEM

Title (de)
WASSER-ABRASIV-SUSPENSIONS-SCHNEIDANLAGE

Title (fr)
INSTALLATION DE COUPE À SUSPENSION AQUEUSE ABRASIVE

Publication
EP 3126094 A1 20170208 (DE)

Application
EP 14727715 A 20140404

Priority
EP 2014056814 W 20140404

Abstract (en)
[origin: WO2015149867A1] The invention relates to a water-abrasive-suspension cutting system having at least one high-pressure source (2) which provides a carrier fluid under high pressure, at least one outlet nozzle (6), a high-pressure line (4) connecting the high-pressure source (2) to the outlet nozzle (6) and an abrasive-supplying sluice (16) which is connected to the high-pressure line (4) and has a shut-off element (26) at the inlet end and a shut-off element (24) at the outlet end and a sluice chamber (18) provided therebetween, a suction device (30) being provided which is connected to the sluice chamber (18) and is designed to generate negative pressure in the sluice chamber (18).

IPC 8 full level
B24C 1/04 (2006.01); **B24C 7/00** (2006.01)

CPC (source: EP KR US)
B24C 1/045 (2013.01 - EP KR US); **B24C 3/12** (2013.01 - EP US); **B24C 7/0007** (2013.01 - EP KR US); **B24C 7/0023** (2013.01 - EP US)

Citation (search report)
See references of WO 2015149867A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015149867 A1 20151008; AU 2014388985 A1 20161020; AU 2014388985 B2 20190103; CA 2944227 A1 20151008; CA 2944227 C 20201215; CN 106163742 A 20161123; CN 106163742 B 20180403; EP 3126094 A1 20170208; EP 3126094 B1 20180131; JP 2017512668 A 20170525; JP 6275918 B2 20180207; KR 102216007 B1 20210216; KR 20160141723 A 20161209; MX 2016012954 A 20161207; NO 3126094 T3 20180630; PL 3126094 T3 20180731; US 10189144 B2 20190129; US 2017106499 A1 20170420

DOCDB simple family (application)
EP 2014056814 W 20140404; AU 2014388985 A 20140404; CA 2944227 A 20140404; CN 201480077755 A 20140404; EP 14727715 A 20140404; JP 2017503051 A 20140404; KR 20167026925 A 20140404; MX 2016012954 A 20140404; NO 14727715 A 20140404; PL 14727715 T 20140404; US 201415301499 A 20140404