

Title (en)
ABRASIVE WATERJET CUTTING INSTALLATION

Title (de)
WASSER-ABRASIV-SCHNEIDANLAGE

Title (fr)
ÉQUIPEMENT DE DÉCOUPE À L'EAU ABRASIVE

Publication
EP 3259100 A1 20171227 (DE)

Application
EP 15706420 A 20150218

Priority
EP 2015053432 W 20150218

Abstract (en)
[origin: WO2016131483A1] The invention relates to an abrasive waterjet cutting installation comprising: a cutting head (2) that comprises a securing device (16, 18, 20) for securing said cutting head (2) to the wall being cut and a nozzle head (10) which is arranged on said cutting head (2) and in which at least one cutting nozzle (12) is arranged for producing a cutting jet (14); as well as a cutting monitoring device (26) that comprises at least one hydrophone (30) and at least one additional sensor, and is designed such that, based on the sensor signals from the hydrophone (30) and the at least one additional sensor, said monitoring device detects when the wall has been fully penetrated and/or severed.

IPC 8 full level
B24C 1/04 (2006.01); **B24C 3/32** (2006.01); **B24C 9/00** (2006.01)

CPC (source: CN EP US)
B24C 1/045 (2013.01 - CN EP US); **B24C 3/32** (2013.01 - US); **B24C 3/325** (2013.01 - CN EP US); **B24C 9/00** (2013.01 - CN EP US); **E21B 29/00** (2013.01 - US); **E21B 29/002** (2013.01 - US); **E21B 29/005** (2013.01 - US)

Citation (search report)
See references of WO 2016131483A1

Cited by
WO2023117082A1

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 2016131483 A1 20160825; AU 2015383612 A1 20170831; AU 2015383612 B2 20200618; CN 107249820 A 20171013; CN 107249820 B 20201222; DK 3259100 T3 20210111; EP 3259100 A1 20171227; EP 3259100 B1 20201014; US 10525569 B2 20200107; US 2018021922 A1 20180125

DOCDB simple family (application)
EP 2015053432 W 20150218; AU 2015383612 A 20150218; CN 201580076361 A 20150218; DK 15706420 T 20150218; EP 15706420 A 20150218; US 201515551755 A 20150218