

Title (en)

TOOL FOR CUTTING AND GRINDING IN EX-ENVIRONMENT

Title (de)

WERKZEUG ZUM SCHNEIDEN UND SCHLEIFEN IN EINER EXPLOSIONSGEFÄHRDETEN UMGEBUNG

Title (fr)

OUTIL DE DÉCOUPE ET DE MEULAGE DANS UN ENVIRONNEMENT EXPLOSIF (EX)

Publication

EP 2321089 A1 20110518 (EN)

Application

EP 09770439 A 20090624

Priority

- NO 2009000234 W 20090624
- NO 20082867 A 20080624

Abstract (en)

[origin: WO2009157777A1] A tool (20) is described for cutting and grinding of welds on doubling plates in offshore environments where there is a danger of explosions, where the tool comprises: at least one end support (22a, 22b) with corner legs (26) on wheels; a magnet (28) which can be activated to clamp the tool (20) to a base, an adjustable arm (30) with a cutting or grinding disc (32) where the arm (30) is arranged to be moved by a motor driven spindle (34) on a longitudinal glide rail (24) between predetermined points, where the glide rail (24) is arranged between said end supports (22a, 22b); a control cabinet (36) for control and supply of air to the tool and a control cabinet (38) for control and supply of water to the tool; whereby the longitudinal movement and adjustment to the cutting or grinding area of the arm (30) are arranged to be controlled by air, while the cutting or grinding disc (32) is arranged to be driven by air and cooled by water.

IPC 8 full level

B24B 27/00 (2006.01); **B23D 79/00** (2006.01); **B23Q 5/06** (2006.01); **B23Q 5/26** (2006.01); **B23Q 9/00** (2006.01); **B24B 27/06** (2006.01); **B24B 41/02** (2006.01); **B24B 47/06** (2006.01); **B24B 47/14** (2006.01); **B24B 55/02** (2006.01)

CPC (source: EP)

B23Q 9/0042 (2013.01); **B24B 27/0007** (2013.01); **B24B 27/04** (2013.01); **B24B 27/0608** (2013.01); **B24B 41/005** (2013.01); **B24B 41/02** (2013.01); **B24B 47/06** (2013.01); **B24B 47/14** (2013.01); **B24B 47/22** (2013.01); **B24B 55/02** (2013.01)

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009157777 A1 20091230; EP 2321089 A1 20110518; EP 2321089 A4 20140903; NO 20082867 L 20091228; NO 329447 B1 20101025

DOCDB simple family (application)

NO 2009000234 W 20090624; EP 09770439 A 20090624; NO 20082867 A 20080624