

Title (en)
MOBILE SHAFT WINCH

Title (de)
MOBILE SCHACHTWINDE

Title (fr)
TREUIL DE PUITS MOBILE

Publication
EP 3328781 B1 20191106 (DE)

Application
EP 16770458 A 20160913

Priority
• DE 102015116506 A 20150929
• EP 2016071484 W 20160913

Abstract (en)
[origin: CA2999191A1] The invention relates to a mobile shaft winch, comprising a carrier vehicle having a vehicle drive, provided with an internal combustion engine, a rigid main frame, and a rotary platform that is arranged on the main frame by means of a rotary connection, and a drum winch which is arranged on the rotary platform and has a cable drum driven by a winch drive, designed for winding and unwinding a conveyor cable. The winch drive comprises a hydraulic motor and a hydraulic system arranged on the carrier vehicle, having a hydraulic pump driven by an electric motor, the suction side of which is in fluid-conducting connection with a tank for hydraulic fluid, and the pressure side of which is in fluid-conducting connection with the hydraulic motor. In order to provide a mobile shaft winch that requires less installation space, and has less weight and a simpler construction, according to the invention - the hydraulic motor is in fluid-conducting connection with the pressure side of a single hydraulic pump, - the internal combustion engine of the vehicle drive drives an electric generator via an auxiliary output drive, and - the electric motor is configured to be selectively operated on a power supply system or the electric generator.

IPC 8 full level
B66D 1/12 (2006.01); **B66C 23/40** (2006.01); **B66C 23/80** (2006.01); **B66D 1/08** (2006.01); **B66D 1/14** (2006.01)

CPC (source: EP RU US)
B66C 23/40 (2013.01 - EP RU US); **B66C 23/42** (2013.01 - US); **B66C 23/54** (2013.01 - US); **B66C 23/705** (2013.01 - US);
B66C 23/80 (2013.01 - EP US); **B66D 1/08** (2013.01 - EP RU US); **B66D 1/12** (2013.01 - EP US); **B66D 1/14** (2013.01 - EP RU US);
B66D 1/36 (2013.01 - US); **B66D 1/46** (2013.01 - US); **B66C 2700/0371** (2013.01 - US); **B66C 2700/0378** (2013.01 - US);
B66C 2700/08 (2013.01 - US)

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

DOCDB simple family (publication)
DE 102015116506 A1 20170330; AU 2016330142 A1 20180412; AU 2016330142 B2 20210422; CA 2999191 A1 20170406;
EP 3328781 A1 20180606; EP 3328781 B1 20191106; ES 2767775 T3 20200618; PL 3328781 T3 20200430; RU 2717111 C1 20200318;
US 2019055112 A1 20190221; WO 2017055070 A1 20170406

DOCDB simple family (application)
DE 102015116506 A 20150929; AU 2016330142 A 20160913; CA 2999191 A 20160913; EP 16770458 A 20160913;
EP 2016071484 W 20160913; ES 16770458 T 20160913; PL 16770458 T 20160913; RU 2018115738 A 20160913;
US 201615764104 A 20160913