

Title (en)
HYDRAULIC UNIT FOR HYDRAULIC RESCUE TOOLS, AND RESCUE TOOL EQUIPPED THEREWITH

Title (de)
HYDRAULIKAGGREGAT FÜR HYDRAULISCHE RETTUNGSWERKZEUGE SOWIE DAMIT AUSGESTATTETES RETTUNGSWERKZEUG

Title (fr)
GROUPE HYDRAULIQUE POUR DES OUTILS DE SAUVETAGE HYDRAULIQUES AINSI QU'UN OUTIL DE SAUVETAGE ÉQUIPÉ DE CELA

Publication
EP 3638378 A1 20200422 (DE)

Application
EP 18742897 A 20180607

Priority
• AT 504892017 A 20170612
• AT 2018060118 W 20180607

Abstract (en)
[origin: WO2018227222A1] The invention relates to a portable, battery-driven hydraulic unit (2) for hydraulic rescue tools, in particular for spreading or cutting tools, and to a rescue tool equipped therewith. The hydraulic unit (2) comprises at least one hydraulic pump (18), a hydraulic tank (25), an equalizing device (26) for hydraulic fluid, a manually actuatable, hydraulic control valve (28), an electromechanical interface (15) for coupling and uncoupling, as required, at least one battery pack (16), a mechanical-hydraulic interface (4) for connecting a hydraulic tool (3), and an electric motor (17) which can be driven by the electrical power of the battery pack (16) and which is designed to drive the hydraulic pump (18). The electric motor (17) is in the form of a disc motor (19), the axial length (22) of which running parallel to the longitudinal axis of its output shaft (21) being shorter than its external diameter (23).

IPC 8 full level
A62B 3/00 (2006.01); **B25B 28/00** (2006.01)

CPC (source: AT EP RU US)
A62B 3/005 (2013.01 - AT EP RU US); **B25B 28/00** (2013.01 - US); **B25F 5/005** (2013.01 - US); **F04B 17/03** (2013.01 - US); **F15B 1/26** (2013.01 - US); **F15B 11/08** (2013.01 - US); **F15B 15/18** (2013.01 - US)

Cited by
DE1020222201368A1

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 2018227222 A1 20181220; AT 520046 A1 20181215; AT 520046 B1 20221015; BR 112019026345 A2 20200721; CN 110636888 A 20191231; CN 110636888 B 20210525; DE 212018000163 U1 20191004; EP 3638378 A1 20200422; EP 3638378 B1 20210407; EP 3862052 A1 20210811; EP 3862052 B1 20240424; EP 3862052 C0 20240424; RU 2020100075 A 20210713; RU 2020100075 A3 20210818; RU 2756943 C2 20211007; US 11273547 B2 20220315; US 11738440 B2 20230829; US 2021316437 A1 20211014; US 2022161410 A1 20220526; US 2023219208 A1 20230713

DOCDB simple family (application)
AT 2018060118 W 20180607; AT 504892017 A 20170612; BR 112019026345 A 20180607; CN 201880033281 A 20180607; DE 212018000163 U 20180607; EP 18742897 A 20180607; EP 21166816 A 20180607; RU 2020100075 A 20180607; US 201816613964 A 20180607; US 202217590281 A 20220201; US 202318122854 A 20230317