

Title (en)
HYDRAULIC POWER UNITS WITH SUBMERGED MOTORS

Title (de)
HYDRAULIKAGGREGATE MIT TAUCHMOTOREN

Title (fr)
UNITÉS DE PUISSANCE HYDRAULIQUE DOTÉES DE MOTEURS SUBMERGÉS

Publication
EP 4065851 A4 20221221 (EN)

Application
EP 19955767 A 20191214

Priority
US 2019066410 W 20191214

Abstract (en)
[origin: WO2021118607A1] A hydraulic power unit ("HPU") with a submerged motor for moving hydraulic fluid between a first chamber and a second chamber of a hydraulic device is provided. The HPU may comprise a tank for storing hydraulic fluid, wherein the tank houses: a motor submerged in the hydraulic fluid, the motor having a powered on and a powered off configuration based on at least one command signal; and a pump submerged in the hydraulic fluid and connected to the motor, wherein the motor drives the pump to route the hydraulic fluid in and out of the tank.

IPC 8 full level
F15B 13/042 (2006.01); **F15B 1/26** (2006.01); **F15B 13/04** (2006.01); **F15B 15/18** (2006.01); **F15B 21/00** (2006.01)

CPC (source: EP)
F04B 17/03 (2013.01); **F04B 23/021** (2013.01); **F15B 1/26** (2013.01); **F15B 13/0814** (2013.01); **F15B 13/0896** (2013.01); **F15B 2211/20515** (2013.01); **F15B 2211/20538** (2013.01); **F15B 2211/3051** (2013.01); **F15B 2211/30515** (2013.01); **F15B 2211/7053** (2013.01)

Citation (search report)

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- [XY] DE 19612582 A1 19971002 - MIAG FAHRZEUGBAU GMBH [DE]
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- [X1] US 5988989 A 19991123 - HOBSON NICHOLAS M [GB]
- [Y] US 2017089369 A1 20170330 - WUNCH JIM [US], et al
- See references of WO 2021118607A1

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)
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KH MA MD TN

DOCDB simple family (publication)
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