

Title (en)
VEHICLE-MOUNTED CONCRETE PUMP

Title (de)
AUTOBETONPUMPE

Title (fr)
POMPE À BÉTON MONTÉE SUR UN VÉHICULE

Publication
EP 4196648 A1 20230621 (DE)

Application
EP 21759051 A 20210806

Priority
• DE 102020121360 A 20200813
• EP 2021072030 W 20210806

Abstract (en)
[origin: WO2022033982A1] The invention relates to a vehicle-mounted concrete pump (100) comprising at least one electrical drive (122) designed for driving working components (107, 108, 111, 112, 113) of the vehicle-mounted concrete pump (100), and a power supply unit (200) comprising inputs and outputs (203) for the intake of electrical energy from at least two electrical power sources (120, 132, 133) and for outputting electrical energy to the electrical drive (122). The invention is, in particular, characterised in that the power supply unit (200) is designed to control the intake of electrical energy from the at least two power sources (120, 132, 133). The invention also relates to a corresponding power supply unit (200) for supplying an electrical drive (122) for driving working components (107, 108, 111, 112, 113) of a vehicle-mounted concrete pump (100) with electrical energy.

IPC 8 full level
E04G 21/04 (2006.01); **B60K 6/00** (2006.01); **B60L 1/00** (2006.01); **B60L 1/12** (2006.01); **B60L 50/15** (2019.01); **B60R 16/03** (2006.01); **F04B 17/03** (2006.01); **F04B 17/05** (2006.01); **F04B 17/06** (2006.01); **H02J 1/08** (2006.01); **H02J 3/00** (2006.01); **H02J 3/14** (2006.01)

CPC (source: EP KR US)
B60L 1/003 (2013.01 - US); **B60L 50/15** (2019.01 - EP KR); **B60L 50/60** (2019.01 - EP KR); **B60L 50/70** (2019.01 - EP KR); **B60L 58/12** (2019.01 - EP KR US); **E04G 21/0436** (2013.01 - EP KR US); **E04G 21/0445** (2013.01 - EP KR); **F04B 1/02** (2013.01 - US); **F04B 15/02** (2013.01 - EP KR US); **F04B 17/03** (2013.01 - EP KR US); **F04B 17/05** (2013.01 - EP KR); **F04B 17/06** (2013.01 - EP KR US); **H02J 7/007** (2013.01 - US); **B60L 2200/40** (2013.01 - EP KR US); **B60L 2240/545** (2013.01 - EP KR US); **E04G 21/0445** (2013.01 - US); **H02J 2310/46** (2020.01 - EP KR); **Y02T 10/70** (2013.01 - EP KR); **Y02T 10/7072** (2013.01 - EP KR); **Y02T 90/40** (2013.01 - EP)

Citation (search report)
See references of WO 2022033982A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022033982 A1 20220217; DE 102020121360 A1 20220217; EP 4196648 A1 20230621; KR 20230050431 A 20230414; US 2023295936 A1 20230921

DOCDB simple family (application)
EP 2021072030 W 20210806; DE 102020121360 A 20200813; EP 21759051 A 20210806; KR 20237008696 A 20210806; US 202118021106 A 20210806