

Title (en)  
ENERGY SUPPLY DEVICE FOR PRODUCTION PLANTS, INDUSTRIAL TRUCK, PRODUCTION PLANT, AND ENERGY SUPPLY METHOD

Title (de)  
ENERGIEVERSORGUNGSEINRICHTUNG FÜR FERTIGUNGSANLAGEN, FLURFÖRDERFAHRZEUG, FERTIGUNGSANLAGE UND  
ENERGIEVERSORGUNGSVERFAHREN

Title (fr)  
DISPOSITIF D'ALIMENTATION EN ÉNERGIE POUR INSTALLATIONS DE FABRICATION, CHARIOT DE MANUTENTION, INSTALLATION DE  
FABRICATION ET PROCÉDÉ D'ALIMENTATION EN ÉNERGIE

Publication  
**EP 4373696 A1 20240529 (DE)**

Application  
**EP 22744187 A 20220713**

Priority  
• DE 102021119060 A 20210722  
• EP 2022069582 W 20220713

Abstract (en)  
[origin: WO2023001656A1] The invention relates to an energy supply device (10) for supplying energy to electric-motor-driven industrial trucks (12) and/or to stationary devices (54), more particularly in a production plant (50), the energy supply device comprising a truck supply portion (30), which has a plurality of plates (32), which are mechanically and/or electrically interconnected by means of joining in the region of their side edges (34) and each of which has, on its plate top (36), at least one electrical contact surface (42), wherein the plates (32) form parts of a driving surface for the industrial trucks (12) and the plates can be contacted by sliding contacts (22) of the industrial trucks (12) or by stationary devices (54), wherein (i) gaps (40) are formed on the plates (32) and/or between adjacent contact surfaces (42), which gaps can be used as a guide line in the navigation of the industrial trucks (12), and/or (ii) wherein coded markings (46) are applied to the driving surface formed by the plates (32), each coded marking indicating an absolute position on the driving surface, so that the coded markings can be used as reference points in the navigation of the industrial trucks (12).

IPC 8 full level  
**B60L 5/06** (2006.01); **B60L 5/36** (2006.01); **B60L 5/42** (2006.01); **B60L 9/00** (2019.01); **B60L 9/04** (2006.01); **B60L 9/30** (2006.01)

CPC (source: EP)  
**B60L 5/06** (2013.01); **B60L 5/36** (2013.01); **B60L 5/42** (2013.01); **B60L 9/04** (2013.01); **B60L 9/30** (2013.01); **B60L 2200/44** (2013.01)

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)  
**DE 102021119060 A1 20230126**; EP 4373696 A1 20240529; WO 2023001656 A1 20230126

DOCDB simple family (application)  
**DE 102021119060 A 20210722**; EP 2022069582 W 20220713; EP 22744187 A 20220713