Title (en)

POWER SUPPLY DEVICE, APPARATUS AND ARRANGEMENT HAVING A POWER SUPPLY DEVICE SUCH AS THIS, AND METHOD FOR SUPPLYING POWER TO AT LEAST ONE TRACK ELEMENT FOR TRACK-GUIDED TRAFFIC

Title (de)

ENERGIEVERSORGUNGS-EINRICHTUNG, VORRICHTUNG UND ANORDNUNG MIT EINER SOLCHEN SOWIE VERFAHREN ZUR ENERGIEVERSORGUNG ZUMINDEST EINES STRECKENELEMENTES DES SPURGEBUNDENEN VERKEHRS

Title (fr)

DISPOSITIF D'ALIMENTATION EN ÉNERGIE, SYSTÈME MUNI D'UN TEL DISPOSITIF ET PROCÉDÉ POUR ALIMENTER EN ÉNERGIE AU MOINS UN ÉLÉMENT DE LIGNE DU TRANSPORT GUIDÉ SUR RAILS

Publication

EP 2613963 A2 20130717 (DE)

Application

EP 11766895 A 20110830

Priority

- DE 102010045234 A 20100909
- EP 2011064860 W 20110830

Abstract (en)

[origin: WO2012031936A2] A power supply device, an apparatus and an arrangement having a power supply device such as this, as well as method for supplying power to at least one track element of track-guided traffic. The invention relates to a power supply device (10) for at least one track element (100, 110) of the track-guided traffic, having a trackside receiving device (20) for receiving energy which is transmitted actively by means of electromagnetic induction by a transmitting device (210) or a track-guided vehicle (200), and having a trackside energy storage device (30) for at least partial storage of the energy received by the trackside receiving device (20) and for supplying the at least one track element (100, 110) with electrical power from the transmission of the power from the transmitting device (210) to the trackside receiving device (20), with this supply being decoupled in time. The invention furthermore comprises an apparatus and an arrangement having a power supply device (10), as well as a method for supplying power to at least one track element (100, 110) of the track-guided traffic.

IPC 8 full level

B60M 3/00 (2006.01); **B61L 1/02** (2006.01); **B61L 3/00** (2006.01); **B61L 3/12** (2006.01)

CPC (source: EP US)

B60L 5/005 (2013.01 - EP US); **B60M 3/00** (2013.01 - EP US); **B61C 3/00** (2013.01 - US); **B61L 1/02** (2013.01 - EP US); **B61L 3/00** (2013.01 - EP US); **B61L 3/121** (2013.01 - EP US); **H02J 50/001** (2020.01 - EP US); **H02J 50/10** (2016.02 - EP US); **H02J 50/20** (2016.02 - US); B60L 2200/26 (2013.01 - EP US); H02J 50/402 (2020.01 - EP US)

Citation (search report)

See references of WO 2012031936A2

Citation (examination)

- DE 4225800 C1 19931125 - SIEMENS AG [DE]
- EP 2218624 A2 20100818 - SIEMENS AG [DE]
- WO 2010006926 A1 20100121 - SIEMENS AG [DE], et al

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 102010045234 A1 20120315; CN 103097180 A 20130508; CN 103097180 B 20160113; EP 2613963 A2 20130717; RU 2013115746 A 20141020; RU 2534492 C1 20141127; US 2013169037 A1 20130704; WO 2012031936 A2 20120315; WO 2012031936 A3 20121220

DOCDB simple family (application)

DE 102010045234 A 20100909; CN 201180043150 A 20110830; EP 11766895 A 20110830; EP 2011064860 W 20110830; RU 2013115746 A 20110830; US 201113822060 A 20110830