

Title (en)
Power supply apparatus and crane system

Title (de)
Stromversorgungsvorrichtung und Kransystem

Title (fr)
Appareil d'alimentation électrique et système de grue

Publication
EP 2345619 A1 20110720 (EN)

Application
EP 10170774 A 20100726

Priority
JP 2010006936 A 20100115

Abstract (en)
A power supply apparatus is provided with: at least one power collector (39) which supplies electric power to a rechargeable battery equipped on a self-traveling crane (10); and a position adjusting section (30A) which is provided between a crane main body of the self-traveling crane and the power collector, and which adjusts a position in a widthwise direction orthogonal to a traveling direction of the self-traveling crane, of the power collector with respect to the self-traveling crane. The power collector comes in contact, through an opening formed in an insulation cover (42) which covers the power supply section, with a power supply section (43) which is provided on a side section on a traveling pathway of the self-traveling crane, and supplies electric power to the self-traveling crane. The opening is formed in a region including a bottom section of the insulation cover facing a pathway surface where the self-traveling crane travels, and opposite end sections (44,45) of the insulation cover in the traveling direction of the self-traveling crane.

IPC 8 full level
B66C 13/12 (2006.01); **B66C 19/00** (2006.01)

CPC (source: EP)
B66C 13/12 (2013.01); **B66C 19/007** (2013.01)

Citation (applicant)
JP 2009242101 A 20091022 - MITSUI SHIPBUILDING ENG

Citation (search report)
• [AD] JP 2009242101 A 20091022 - MITSUI SHIPBUILDING ENG
• [A] CN 200946068 Y 20070912 - PORT QINGDAO GROUP CO LTD [CN]
• [A] JP 2007204203 A 20070816 - MITSUBISHI HEAVY IND LTD

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WO2018073279A1; DE102017107311A1; DE102016120115A1; US2019256329A1; US2016297308A1; US9987934B2; WO2018184870A3; US10781080B2

Designated contracting state (EPC)
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