

Title (en)

INDUCTIVE CHARGING DEVICE AND METHOD FOR MONITORING AN INDUCTIVE CHARGING DEVICE

Title (de)

INDUKTIVE LADEVORRICHTUNG UND VERFAHREN ZUM ÜBERWACHEN EINER INDUKTIVEN LADEVORRICHTUNG

Title (fr)

DISPOSITIF DE CHARGE INDUCTIVE ET PROCÉDÉ DE SURVEILLANCE D'UN DISPOSITIF DE CHARGE INDUCTIVE

Publication

EP 3749542 A1 20201216 (DE)

Application

EP 19702432 A 20190130

Priority

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- EP 2019052208 W 20190130

Abstract (en)

[origin: WO2019154684A1] The invention relates to an inductive charging device for a vehicle and to a method for monitoring an inductive charging device for a vehicle, wherein a metal object is detected in each case. The method has the steps of: carrying out a passive metal object detection, MOD, while a battery of a vehicle (1) is inductively charged by generating an electromagnetic field in order to induce a charge current (I₂) in a receiving coil structure (2) of the vehicle (1); and carrying out an active MOD at points in time at which no inductive charging process is being carried out.

IPC 8 full level

B60L 53/00 (2019.01); **H02J 7/00** (2006.01); **H02J 7/02** (2016.01); **H02J 50/10** (2016.01); **H02J 50/60** (2016.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2019154684A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DE 102018201824 A 20180206; CN 201980011817 A 20190130; EP 19702432 A 20190130; EP 2019052208 W 20190130; US 201916967491 A 20190130