

Title (en)

SEMI-AUTOMATIC STATION AND METHOD FOR EXCHANGING A TRACTION BATTERY OF AN ELECTRIC OR HYBRID VEHICLE

Title (de)

HALBAUTOMATISCHE STATION UND VERFAHREN ZUM WECHSELN EINER TRAKTIONSBATTERIE EINES ELEKTRO-ODER HYBRIDFAHRZEUGS

Title (fr)

STATION SEMI-AUTOMATIQUE ET PROCEDE D'ECHANGE DE BATTERIE DE TRACTION POUR VEHICULE ELECTRIQUE OU HYBRIDE

Publication

**EP 2776291 A1 20140917 (FR)**

Application

**EP 12780510 A 20121106**

Priority

- FR 1160064 A 20111107
- EP 2012071946 W 20121106

Abstract (en)

[origin: WO2013068358A1] A device and method for exchanging a discharged traction battery (113) of an electric or hybrid vehicle (3) for a recharged traction battery (114). The device comprises means (220, 221) for aligning the vehicle on a reference dimension relative to the direction (Y) transverse to the vehicle, means (219) for aligning the vehicle on a reference dimension relative to the direction (X) longitudinal to the vehicle, vehicle lifting means (21) for raising and lowering the vehicle, means (25) for immobilising the vehicle relative to the vertical direction, lifting means for raising or lowering the means (23) for unlocking the battery from or locking the battery to the vehicle. The device further comprises handling means (115) for transporting the batteries.

IPC 8 full level

**B60S 5/06** (2006.01); **B60K 1/04** (2006.01)

CPC (source: EP KR US)

**B60L 53/80** (2019.01 - EP US); **B60S 5/06** (2013.01 - KR); **B60K 2001/0472** (2013.01 - EP KR US); **B60Y 2200/91** (2013.01 - KR); **B60Y 2200/92** (2013.01 - KR); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/12** (2013.01 - US)

Citation (search report)

See references of WO 2013068358A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**FR 2982224 A1 20130510**; **FR 2982224 B1 20140509**; CN 103998302 A 20140820; CN 103998302 B 20170315; EP 2776291 A1 20140917; KR 102009733 B1 20190812; KR 20140095085 A 20140731; US 2014369798 A1 20141218; WO 2013068358 A1 20130516

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