

Title (en)
DEVICE AND METHOD FOR PROCESSING BATTERY PLATES AND ARRANGING THEM IN WET OR AGM BATTERY CASES FOR CARS OR TRUCKS

Title (de)
VORRICHTUNG UND VERFAHREN ZUR BEARBEITUNG VON BATTERIEPLATTEN UND ANORDNUNG DIESER IN NASS- ODER AGM-BATTERIEKÄSTEN FÜR PERSONEN- ODER LASTKRAFTWAGEN

Title (fr)
DISPOSITIF ET PROCÉDÉ POUR LE TRAITEMENT DE PLAQUES DE BATTERIE, ET DISPOSITION DE CELLES-CI DANS DES BACS DE BATTERIE HUMIDES OU AGM POUR VOITURES DE TOURISME OU CAMIONS

Publication
EP 2932552 A1 20151021 (DE)

Application
EP 13824292 A 20131205

Priority
• DE 102012024242 A 20121212
• DE 2013000716 W 20131205

Abstract (en)
[origin: CA2893920A1] The invention relates to a device for processing battery plates, consisting of a centrally arranged processing turntable with a lifting and/or rotating device at the individual processing stations and also transporting devices for the battery plates, battery plate packs and finished battery cases within the device, wherein stationary gripping robots (R1 - R4) provided with up to six axes of movement and specially designed grippers are arranged at the processing turntable (1) as a transporting device for feeding the battery plates to be processed and removing the finished battery plates to and from the processing turntable (1), for forming battery plates sets for the battery plate packs, for checking the thickness of the set of battery plate packs, for straightening and bending the plate lugs, for filling the battery cases with the battery plate packs and for the final inspection, and all of the gripping robots (R1 - R4) that are positioned around the processing turntable (1) are arranged movably outside the processing turntable (1), and independently of it in terms of the sequences of movements thereof, by means of freely programmable linear sequences of movements and paths of movement.

IPC 8 full level
H01M 10/04 (2006.01)

CPC (source: CN EP US)
H01M 10/0404 (2013.01 - CN EP US); **H01M 10/128** (2013.01 - US); **H01M 2220/20** (2013.01 - CN EP US); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)
See references of WO 2014090210A1

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

DOCDB simple family (publication)
DE 102013018172 A1 20140612; BR 112015013581 A2 20170711; CA 2893920 A1 20140619; CN 104854750 A 20150819; EP 2932552 A1 20151021; MX 2015007408 A 20160803; US 2015311561 A1 20151029; WO 2014090210 A1 20140619; WO 2014090210 A9 20140731

DOCDB simple family (application)
DE 102013018172 A 20131205; BR 112015013581 A 20131205; CA 2893920 A 20131205; CN 201380064433 A 20131205; DE 2013000716 W 20131205; EP 13824292 A 20131205; MX 2015007408 A 20131205; US 201314651609 A 20131205