

Title (en)

METHOD FOR PRODUCING A STACK OF METAL SHEETS, STACK OF METAL SHEETS, MACHINE COMPONENT, ELECTRIC MOTOR AND DRIVE TRAIN

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BLECHSTAPELS, BLECHSTAPEL, MASCHINENBAUTEIL, ELEKTROMOTOR UND ANTRIEBSSTRANG

Title (fr)

PROCÉDÉ DE FABRICATION D'UN EMPILEMENT DE TÔLES, EMPILEMENT DE TÔLES, ÉLÉMENT DE MACHINE, MOTEUR ÉLECTRIQUE ET CHAÎNE CINÉMATIQUE

Publication

**EP 4029134 A1 20220720 (DE)**

Application

**EP 19812947 A 20191126**

Priority

- DE 102019213658 A 20190909
- EP 2019082566 W 20191126

Abstract (en)

[origin: WO2021047788A1] In order to provide a method by means of which stacks of metal sheets can be produced in a simple and efficient manner, it is proposed that the method comprise the following: Coating one or more metal sheets with a bonding substance; bonding a plurality of metal sheets to form a sheet-metal laminate by first activation of the bonding substance; splitting the sheet-metal laminate to produce a plurality of sheet-metal laminate units and/or separating a plurality of sheet-metal laminate units out of the sheet-metal laminate; and bonding the plurality of sheet-metal laminate units to form a stack of metal sheets by second activation of the bonding substance, wherein one or more parameters differ from one another in the first activation and the second activation.

IPC 8 full level

**H02K 15/02** (2006.01); **H01F 41/02** (2006.01); **H02K 15/12** (2006.01)

CPC (source: EP US)

**B32B 15/01** (2013.01 - US); **B32B 37/1207** (2013.01 - US); **B32B 38/0004** (2013.01 - US); **H01F 41/0233** (2013.01 - EP); **H02K 1/12** (2013.01 - US); **H02K 1/22** (2013.01 - US); **H02K 15/02** (2013.01 - EP US); **H02K 15/12** (2013.01 - EP); **B32B 2250/03** (2013.01 - US); **B32B 2307/732** (2013.01 - US)

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 102019213658 A1 20210311**; CN 114731099 A 20220708; EP 4029134 A1 20220720; US 2022271631 A1 20220825; WO 2021047788 A1 20210318

DOCDB simple family (application)

**DE 102019213658 A 20190909**; CN 201980101843 A 20191126; EP 19812947 A 20191126; EP 2019082566 W 20191126; US 202217685819 A 20220303