

Title (en)  
METHOD FOR SPATIALLY ARRANGING COILS IN A COIL STORE AND COMBINATION OF A PROCESSING MACHINE AND A COIL STORE

Title (de)  
VERFAHREN ZUM RÄUMLICHEN ANORDNEN VON COILS IN EINEM COILLAGER SOWIE KOMBINATION AUS EINER VERARBEITUNGSMASCHINE UND EINEM COILLAGER

Title (fr)  
PROCÉDÉ D'AGENCEMENT SPATIAL DE BOBINES DANS UN STOCKAGE DE BOBINES ET ASSOCIATION D'UNE MACHINE DE TRAITEMENT ET D'UN STOCKAGE DE BOBINES

Publication  
**EP 3687928 B1 20201223 (DE)**

Application  
**EP 19794916 A 20191018**

Priority  
• DE 102018218021 A 20181022  
• EP 2019078353 W 20191018

Abstract (en)  
[origin: WO2020083769A1] The invention relates to a method for spatially arranging coils (1,..., 6) in a coil store (7), in which multiple coils (1,..., 6) can be stored, wherein the method comprises the following steps: a) providing electronic data relating to a starting storage status, including information relating to a respective starting diameter (DA) of the coils (1,..., 6) and a respective spatial starting storage position of the coils (1,..., 6) in the coil store (7); b) transporting a selected coil (3) from a starting storage position to a processing machine (8) for processing at least one part of the sheet metal of the selected coil (3); c) sensorially detecting a reduced diameter (D) of the selected coil (3') after the part of the sheet metal of the selected coil (3) has been removed from the selected coil (3) for processing using the processing machine (8); d) saving the reduced diameter (D) of the selected coil (4); e) transporting the selected coil (3') having the reduced diameter (D) to a stowed storage position which is selected according to the reduced diameter (D) of the selected coil (4) to be different from the starting storage position to save space in the storage area; and f) saving the stowed storage position of the selected coil (3').

IPC 8 full level  
**B65H 19/12** (2006.01); **B21C 47/24** (2006.01); **B21C 47/26** (2006.01); **B21C 51/00** (2006.01)

CPC (source: EP US)  
**B21C 47/24** (2013.01 - EP); **B21C 47/26** (2013.01 - EP); **B21C 51/00** (2013.01 - EP); **B65H 19/12** (2013.01 - EP US); **B65H 19/126** (2013.01 - EP US); **B21C 47/26** (2013.01 - US); **B65H 2301/4134** (2013.01 - US); **B65H 2301/41342** (2013.01 - EP); **B65H 2301/41522** (2013.01 - US); **B65H 2301/41702** (2013.01 - EP US); **B65H 2301/41732** (2013.01 - EP); **B65H 2301/41734** (2013.01 - EP US); **B65H 2405/422** (2013.01 - US); **B65H 2511/14** (2013.01 - EP US); **B65H 2553/41** (2013.01 - EP); **B65H 2701/173** (2013.01 - EP 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

DOCDB simple family (publication)  
**WO 2020083769 A1 20200430**; AU 2019356038 A1 20200507; AU 2019356038 B2 20210624; CA 3083619 A1 20200430; CA 3083619 C 20210928; DE 102018218021 A1 20200423; DE 102018218021 B4 20200820; DK 3687928 T3 20210315; EP 3687928 A1 20200805; EP 3687928 B1 20201223; ES 2864163 T3 20211013; PL 3687928 T3 20211018; PT 3687928 T 20210322; SI 3687928 T1 20210630; US 11524859 B2 20221213; US 2021205869 A1 20210708

DOCDB simple family (application)  
**EP 2019078353 W 20191018**; AU 2019356038 A 20191018; CA 3083619 A 20191018; DE 102018218021 A 20181022; DK 19794916 T 20191018; EP 19794916 A 20191018; ES 19794916 T 20191018; PL 19794916 T 20191018; PT 19794916 T 20191018; SI 201930038 T 20191018; US 201916756717 A 20191018