

Title (en)
AUTOMATED REMOVAL OF BINDING TAPES FROM A COIL

Title (de)
AUTOMATISIERTE ENTFERNUNG VON BINDEBÄNDERN VON EINEM COIL

Title (fr)
RETRAIT AUTOMATISÉ DE BANDES DE LIAISON D'UNE BOBINE

Publication
EP 4031457 A1 20220727 (DE)

Application
EP 20771519 A 20200909

Priority

- EP 19198399 A 20190919
- EP 2020075195 W 20200909

Abstract (en)
[origin: WO2021052834A1] A coil (4) is produced by winding a tape (1). The coil (4) has two end faces (6), a lateral surface (7), and a coil eye (8) with an eye axis (9), and the binding tapes (5) have a binding tape width (b). While a first sub-region of the lateral surface (7) of the coil (4) is lying on a first support (10) when viewed in the direction of the eye axis (9), the binding tapes (5) completely surrounding the coil (4) outside the sub-region when viewed in the direction of the eye axis (9) are first removed. The binding tapes (5) which were not removed in step a) are then removed while a second sub-region of the coil (4) is lying on the first support (10) or a second support (15) when viewed in the direction of the eye axis (9). The first and second sub-region are mutually spaced at least by the binding tape width (b) when viewed in the direction of the eye axis (9).

IPC 8 full level
B65B 69/00 (2006.01)

CPC (source: CN EP US)
B65B 69/0025 (2013.01 - CN EP US); **B65B 69/0033** (2013.01 - CN EP)

Citation (search report)
See references of WO 2021052834A1

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)
EP 3795483 A1 20210324; CN 114364610 A 20220415; CN 114364610 B 20231020; EP 4031457 A1 20220727; EP 4031457 B1 20230719; EP 4031457 C0 20230719; US 12030687 B2 20240709; US 2022332456 A1 20221020; WO 2021052834 A1 20210325

DOCDB simple family (application)
EP 19198399 A 20190919; CN 202080063301 A 20200909; EP 2020075195 W 20200909; EP 20771519 A 20200909; US 202017760619 A 20200909