

Title (en)
SCRAP MATRIX WINDING DEVICE FOR CONTINUOUS LABEL PAPER AND METHOD OF WINDING SCRAP MATRIX

Title (de)
SCHROTTMATRIZENWICKELVORRICHTUNG FÜR ENDLOSES ETIKETTENPAPIER UND VERFAHREN ZUM AUFWICKELN VON SCHROTTMATRIZEN

Title (fr)
DISPOSITIF D'ENROULEMENT POUR MATRICE DE REBUT POUR PAPIER D'ÉTIQUETTES CONTINU ET PROCÉDÉ D'ENROULEMENT D'UNE MATRICE DE REBUT

Publication
EP 3441333 B1 20210707 (EN)

Application
EP 18161235 A 20180312

Priority
JP 2017154396 A 20170809

Abstract (en)
[origin: EP3441333A1] A scrap matrix winding device includes a scrap matrix winding shaft, a vertical movement mechanism, a line encoder, a third sensor, a calculation unit, and a control unit. The scrap matrix winding shaft winds the scrap matrix in a roll shape. The vertical movement mechanism moves the scrap matrix winding shaft away from a fixed type peeling roller. The calculation unit obtains a roll diameter of a scrap matrix roll on the basis of detection results of the line encoder and the third sensor. The control unit controls the vertical movement mechanism to move the scrap matrix winding shaft away from the fixed type peeling roller on the basis of the roll diameter obtained by the calculation unit.

IPC 8 full level
B65H 18/26 (2006.01); **B31D 1/02** (2006.01); **B65C 9/00** (2006.01); **B65H 23/195** (2006.01)

CPC (source: CN EP KR)
B31D 1/021 (2013.01 - EP); **B65H 18/02** (2013.01 - KR); **B65H 18/08** (2013.01 - KR); **B65H 18/10** (2013.01 - CN); **B65H 18/26** (2013.01 - CN EP); **B65H 23/063** (2013.01 - CN); **B65H 23/1955** (2013.01 - EP KR); **B65H 26/08** (2013.01 - KR); **B65H 35/10** (2013.01 - KR); **B65C 2009/0087** (2013.01 - EP); **B65H 2301/413246** (2013.01 - EP); **B65H 2301/4135** (2013.01 - KR); **B65H 2301/41468** (2013.01 - EP); **B65H 2301/51122** (2013.01 - EP); **B65H 2403/52** (2013.01 - EP); **B65H 2511/11** (2013.01 - CN); **B65H 2511/14** (2013.01 - CN EP KR); **B65H 2511/30** (2013.01 - CN); **B65H 2515/31** (2013.01 - EP); **B65H 2515/32** (2013.01 - CN); **B65H 2553/51** (2013.01 - EP); **B65H 2553/80** (2013.01 - CN); **B65H 2601/524** (2013.01 - EP); **B65H 2701/192** (2013.01 - KR); **B65H 2701/19404** (2013.01 - EP)

Cited by
CN114572736A; CN110228716A; CN111792145A; CN109823889A; EP3689801A1

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)
EP 3441333 A1 20190213; **EP 3441333 B1 20210707**; AU 2018201679 A1 20190228; AU 2018201679 B2 20231116; CN 109384066 A 20190226; CN 109384066 B 20230912; JP 2019031387 A 20190228; JP 6831571 B2 20210217; KR 102425279 B1 20220726; KR 20190016885 A 20190219

DOCDB simple family (application)
EP 18161235 A 20180312; AU 2018201679 A 20180308; CN 201810299161 A 20180404; JP 2017154396 A 20170809; KR 20180037103 A 20180330