

Title (en)
POST-PROCESSING APPARATUS, AND METHOD OF PERFORMING POST-PROCESSING OF A SHEET

Title (de)
NACHBEARBEITUNGSVORRICHTUNG, UND VERFAHREN ZUR NACHBEARBEITUNG EINES BLATTES

Title (fr)
APPAREIL DE POST-TRAITEMENT, ET PROCÉDÉ DE POST-TRAITEMENT D'UN FEUILLE

Publication
EP 3418230 A1 20181226 (EN)

Application
EP 18160695 A 20180308

Priority
JP 2017122271 A 20170622

Abstract (en)
A post-processing apparatus (3) includes a processing tray (18) for stacking a sheet (S) and a detection sensor (41) for detecting the presence or absence of the sheet placed on the processing tray. The post-processing apparatus includes a pinch roller (47) for moving towards the processing tray if the detection sensor does not detect the sheet, and a longitudinal alignment roller (40) configured to rotate by a predetermined amount while sandwiching the sheet in the processing tray with the pinch roller to elongate the sheet. By holding a rear end of the sheet in the processing tray with a paddle section (30) and elongating the sheet towards the downstream side with the longitudinal alignment roller, the presence or absence of the sheet is detected by the detection sensor.

IPC 8 full level
B65H 31/02 (2006.01); **B65H 31/30** (2006.01); **B65H 31/36** (2006.01); **B65H 43/02** (2006.01)

CPC (source: CN EP US)
B65H 5/066 (2013.01 - CN); **B65H 29/125** (2013.01 - US); **B65H 31/02** (2013.01 - EP US); **B65H 31/26** (2013.01 - US);
B65H 31/3018 (2013.01 - EP US); **B65H 31/3027** (2013.01 - EP US); **B65H 31/36** (2013.01 - EP US); **B65H 37/04** (2013.01 - US);
B65H 43/02 (2013.01 - EP US); **B65H 2301/4212** (2013.01 - EP US); **B65H 2301/4213** (2013.01 - EP US); **B65H 2301/512125** (2013.01 - EP US);
B65H 2301/51256 (2013.01 - EP US); **B65H 2404/1114** (2013.01 - EP US); **B65H 2404/1521** (2013.01 - EP US);
B65H 2405/11151 (2013.01 - EP US); **B65H 2511/11** (2013.01 - EP US); **B65H 2511/13** (2013.01 - EP US); **B65H 2511/212** (2013.01 - EP US);
B65H 2511/22 (2013.01 - EP US); **B65H 2511/515** (2013.01 - EP US); **B65H 2553/61** (2013.01 - EP US); **B65H 2701/1131** (2013.01 - CN);
B65H 2801/06 (2013.01 - US); **B65H 2801/27** (2013.01 - EP US)

C-Set (source: EP US)
1. **B65H 2511/515 + B65H 2220/01**
2. **B65H 2511/11 + B65H 2220/01**
3. **B65H 2511/13 + B65H 2220/01**
4. **B65H 2511/212 + B65H 2220/02 + B65H 2220/11**
5. **B65H 2511/22 + B65H 2220/02**

Citation (search report)
• [IA] JP 2005022833 A 20050127 - CANON KK
• [A] US 2015165809 A1 20150618 - KOMIYAMA DAIKI [JP], et al
• [A] US 5478062 A 19951226 - HORIUCHI TOSHIHIRO [JP], et al
• [A] US 2017075283 A1 20170316 - DOBASHI SHOICHI [JP]

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 3418230 A1 20181226; CN 109110529 A 20190101; JP 2019006540 A 20190117; US 2018370747 A1 20181227

DOCDB simple family (application)
EP 18160695 A 20180308; CN 201810372059 A 20180424; JP 2017122271 A 20170622; US 201715847166 A 20171219