

Title (en)
Stack of paper sheets processing apparatus

Title (de)
Vorrichtung zur Papierblätterstapelverarbeitung

Title (fr)
Appareil de traitement d'une pile de feuille de papier

Publication
EP 2738106 A3 20140820 (EN)

Application
EP 13191360 A 20131104

Priority
JP 2012262871 A 20121130

Abstract (en)
[origin: EP2738106A2] According to an embodiment, a paper sheet processing apparatus includes a stacking device which stacks paper sheets and a wrapping device which wraps a stacked paper sheet bundle by winding a band thereon. The wrapping device includes a band winding device which winds the band on the stacked paper sheet bundle and tightens it, a hand assembly (96) which grasps the stacked paper sheet bundle by holding an end thereof, a hand assembly drive mechanism (98) which draws the bundle to an arbitrary position by reciprocating the hand assembly in a direction perpendicular to the bundle stacking direction, detectors (118a, 118b, 118c) which detect a plurality of drawn-in positions of the hand assembly, and a control unit which stops the hand assembly at an arbitrary drawn-in position detected by the detectors and adjusts a band winding position on the bundle.

IPC 8 full level
B65B 13/12 (2006.01); **B65B 27/08** (2006.01); **B65B 35/36** (2006.01); **B65B 57/14** (2006.01); **B65B 59/02** (2006.01); **G07D 11/00** (2006.01); **B65B 13/32** (2006.01)

CPC (source: EP US)
B65B 13/12 (2013.01 - EP US); **B65B 27/08** (2013.01 - EP US); **B65B 35/36** (2013.01 - EP US); **B65B 57/00** (2013.01 - EP); **G07D 11/40** (2018.12 - EP US); **G07D 11/50** (2018.12 - EP US); **B65B 13/32** (2013.01 - EP US)

Citation (search report)

- [XY] US 5460359 A 19951024 - TOYOHARA MIE [JP], et al
- [XY] EP 2407386 A1 20120118 - GLORY KOGYO KK [JP]
- [Y] GB 2138788 A 19841031 - MUSASHI ENG KK, et al
- [Y] US 4126983 A 19781128 - ITO YUKIO, et al

Cited by
EP3070686A1

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)
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DOCDB simple family (application)
EP 13191360 A 20131104; CN 201310627654 A 20131129; JP 2012262871 A 20121130; KR 20130146269 A 20131128; RU 2013153229 A 20131129; US 201314088815 A 20131125