

Title (en)
Sheet stacking device

Title (de)
Vorrichtung zum Stapeln von Bögen

Title (fr)
Dispositif d'empilage de feuilles

Publication
EP 1762523 A3 20080227 (EN)

Application
EP 06119759 A 20060830

Priority
• NL 1029837 A 20050831
• NL 2000015 A 20060223

Abstract (en)
[origin: EP1762523A2] The invention relates to a stacking device for incoming sheets, comprising a receiving plane (21), a rotatably arranged element (22), comprising a slot (26) at its circumferential edge for accepting at least a portion of a sheet to be stacked, where, in a first rotation zone (I), the rotatably arranged element may accept the sheet to be stacked and, in a second rotation zone (II), the accepted sheet is conveyed onto the receiving plane, drive mechanisms for driving the rotatably arranged element, a stop (30), a closed-loop shaped friction element (28) mounted at the circumferential edge of the rotatably arranged element, which, in operation, transfers a force onto the upper side of the sheet emerging from the slot during at least part of one revolution of the rotatably arranged element, this force having a component directed towards the stop, characterised in that the closed-loop shaped friction element has been positioned such that, in operation, it does not obstruct the movement of a sheet whilst the latter is accepted into the slot in the first rotation zone.

IPC 8 full level
B65H 29/40 (2006.01); **B65H 31/26** (2006.01)

CPC (source: EP)
B65H 29/40 (2013.01); **B65H 31/36** (2013.01); **B65H 2404/265** (2013.01); **B65H 2404/651** (2013.01); **B65H 2601/251** (2013.01); **B65H 2801/06** (2013.01)

Citation (search report)
• [XY] FR 2760733 A1 19980918 - C P BOURG SA [BE]
• [DY] US 5065997 A 19911119 - BUTTS RICHARD E [US], et al
• [AY] US 5194558 A 19930316 - CARLSTON RICHARD L [US], et al
• [X] WO 2005023691 A1 20050317 - EASTMAN KODAK CO [US], et al
• [X] DE 4444488 A1 19960620 - KODAK AG [DE]
• [A] US 5026036 A 19910625 - TAKAHASHI YASUHIRO [JP]
• [A] US 5803705 A 19980908 - KEYES THOMAS C [US]
• [A] US 3278179 A 19661011 - HENDRIK HARTEL PIETER

Cited by
WO2011064220A1; WO2013068331A1; US9457980B2; US8403323B2; EP3575093A1; EP3636567A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1762523 A2 20070314; EP 1762523 A3 20080227; EP 1762523 B1 20121114; JP 2007063020 A 20070315

DOCDB simple family (application)
EP 06119759 A 20060830; JP 2006218562 A 20060810