

Title (en)

Apparatus and method for conveying paper sheets

Title (de)

Vorrichtung und Verfahren zum Fördern von Blättern

Title (fr)

Appareil et procédé pour le transport de feuilles de papier

Publication

EP 2354066 A1 20110810 (EN)

Application

EP 10152147 A 20100129

Priority

EP 10152147 A 20100129

Abstract (en)

An endless conveyor loop (1) is circulatable along a circulation path. Gripping arms (3 1 -3 11) connected to the loop are each pivotable between an open position and a closed position for retaining an end of the sheet (13,14,18) at a gripping position circulatable with the conveyor loop along a gripping position path. A paper feeding path has a downstream end portion (7) spaced from the gripping position path (6). A prolongation (12) in line with the downstream end portion (7) of the paper feeding path intersects the gripping position path (6). A gripping arm operating structure (15,16,17) is provided for causing each gripping arm to pivot towards the open position prior to passing the prolongation (12) in line with the downstream end portion (7) of the paper feeding path and, subsequently, to start pivoting back towards the closed position before a next one of the gripping arms passes the prolongation (12) in line with the downstream end portion of the paper feeding path.

IPC 8 full level

B65H 29/04 (2006.01)

CPC (source: EP)

B65H 29/045 (2013.01); **B65H 29/669** (2013.01); **B65H 2301/44712** (2013.01); **B65H 2301/4474** (2013.01); **B65H 2405/552** (2013.01); **B65H 2405/58** (2013.01); **B65H 2701/1916** (2013.01)

C-Set (source: EP)

1. **B65H 2301/44712** + **B65H 2220/01**
2. **B65H 2301/4474** + **B65H 2220/02**

Citation (applicant)

EP 2107021 A1 20091007 - NEOPOST TECHNOLOGIES [FR]

Citation (search report)

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- [Y] DE 4114095 C1 19920730
- [X] US 3174749 A 19650323 - WILLIAM CHILDS GEORGE
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- [AD] EP 2107021 A1 20091007 - NEOPOST TECHNOLOGIES [FR]
- [A] FR 2514686 A1 19830422 - RENGO CO LTD [JP]
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Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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