

Title (en)

A device for opening folded sheets during transportation

Title (de)

Vorrichtung zur Öffnung von Falzbögen während deren Transport

Title (fr)

Dispositif pour l'ouverture de feuilles pliées pendant le transport

Publication

EP 1908714 A1 20080409 (EN)

Application

EP 07445035 A 20070927

Priority

SE 0602141 A 20061006

Abstract (en)

A device for opening folders (24) during transportation comprises an opener (91) arranged to run together along and next to the transversally central area of the folder tail. The opener is provided with a wedge (132) that is driven into the folder tail. The wedge has two support edges (137) that diverge from the wedge tip (138) in a direction opposite the drive-in direction of the wedge in the folder, away from each other in the plane of the folder, as well as away from the extension plane of the folder so that an outer folder part (24A) deflected upon the driving-in of the wedge (132) will be supported by the wedge support edges (137) at separated positions along the folder tail, whereby a subjacent inner folder part (24B) is exposed so that a gripper (23) on a leading wall (21) in a folder conveyor can fix the subjacent inner folder part (24B) against the leading wall (21).

IPC 8 full level

B65H 5/30 (2006.01)

CPC (source: EP SE)

B42C 1/10 (2013.01 - EP); **B65H 5/301** (2013.01 - EP); **B65H 5/308** (2013.01 - SE); **B65H 39/043** (2013.01 - EP); **B65H 39/055** (2013.01 - EP); **B65H 2301/432** (2013.01 - EP); **B65H 2301/4532** (2013.01 - EP)

Citation (applicant)

- SE 464757 C
- DE 1436585 A1 19681031 - GRAPHICART INT
- US 3450400 A 19690617 - GUGGISBERG ERNST
- EP 0596581 A2 19940511 - GRAPHIC MANAGEMENT ASSOC [US]
- US 2004061271 A1 20040401 - LEU WILLY [CH], et al

Citation (search report)

- [DA] DE 1436585 A1 19681031 - GRAPHICART INT
- [A] US 3450400 A 19690617 - GUGGISBERG ERNST
- [DA] WO 9104934 A1 19910418 - WAMAC AB [SE]
- [A] EP 0596581 A2 19940511 - GRAPHIC MANAGEMENT ASSOC [US]
- [A] US 2004061271 A1 20040401 - LEU WILLY [CH], et al

Cited by

EP2390210A2; US8376123B2

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1908714 A1 20080409; EP 1908714 B1 20100407; AT E463457 T1 20100415; CN 101164852 A 20080423; CN 101164852 B 20121031; DE 602007005745 D1 20100520; DK 1908714 T3 20100712; ES 2342623 T3 20100709; SE 0602141 L 20080407; SE 530398 C2 20080520

DOCDB simple family (application)

EP 07445035 A 20070927; AT 07445035 T 20070927; CN 200710162212 A 20071008; DE 602007005745 T 20070927; DK 07445035 T 20070927; ES 07445035 T 20070927; SE 0602141 A 20061006