

Title (en)

Transfer device for folder unit

Title (de)

Übertragungsvorrichtung für Falteinheiten

Title (fr)

Dispositif de transfert pour unité de pliage

Publication

**EP 2093178 A1 20090826 (EN)**

Application

**EP 08021424 A 20081210**

Priority

JP 2008040994 A 20080222

Abstract (en)

In a transfer device R, which feeds a first web group W20 obtained by overlapping a plurality of webs and vertically folding them in a half width by a former F11 and a second web group W10 of a plurality of overlapped webs in the same width dimension as that of the first web group W20 vertically folded by the former F11 in mutual overlap between a cutting cylinder C1 and a folding cylinder C2, so as to form a newspaper signature, wherein at least one transfer roller R1, R2, R3, or R3' is provided for guiding the second web group W10 to a position at which it is overlapped on the first web group W20 and at least one out of the transfer rollers is rotationally driven, at least one of the transfer rollers to be driven is a roller having a step formed at a peripheral surface in a range in contact with the web while circumferential surfaces having different diameters in an axial direction are adjacent to each other, thus providing the transfer device for a folder unit capable of applying an appropriate tension to each of the webs constituting the web group, so as to prevent the web from being deviated or meandering.

IPC 8 full level

**B65H 20/02** (2006.01); **B65H 39/16** (2006.01); **B65H 45/22** (2006.01)

CPC (source: EP US)

**B65H 45/221** (2013.01 - EP US); **B65H 2404/1316** (2013.01 - EP US)

Citation (applicant)

JP S6253279 U 19870402

Citation (search report)

- [X] US 2007057005 A1 20070315 - THEILACKER KLAUS [DE]
- [A] DE 9318285 U1 19940203 - SIGRI GREAT LAKES CARBON GMBH [DE]
- [A] US 2007063408 A1 20070322 - THEILACKER KLAUS [DE]
- [A] EP 1593631 A1 20051109 - LUERAFLEX GMBH G LUECKENOTTO [DE]

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2093178 A1 20090826**; CN 101513965 A 20090826; CN 101513965 B 20121128; JP 2009196775 A 20090903; JP 4689690 B2 20110525; US 2009212480 A1 20090827

DOCDB simple family (application)

**EP 08021424 A 20081210**; CN 200910007305 A 20090211; JP 2008040994 A 20080222; US 32073409 A 20090203