

Title (en)

Device for separating useful units of a printed sheet

Title (de)

Vorrichtung zum Vereinzeln von Nutzen eines bedruckten Bogens

Title (fr)

Dispositif permettant la séparation individuelle de flans d'une feuille imprimée

Publication

**EP 1447364 A3 20040825 (DE)**

Application

**EP 04101722 A 20011112**

Priority

- DE 10062817 A 20001215
- EP 01270481 A 20011112

Abstract (en)

[origin: WO0248014A1] A device for separating the useful units of a printed sheet and for cutting out faulty useful units comprises a first cutting device (6, 7, 8) for cutting the sheet, which is printed with a number of useful units, into a plurality of longitudinal strips, each comprising several useful units, a quality control device (2, 3, 4) for detecting faulty useful units and a second cutting device for cutting the strips into individual useful units. A filtering device (26, 27, 28) is provided between the two cutting devices for filtering out the strips with at least one faulty unit. Faultless strips can be introduced to replace the strips that are removed, at the point where they are removed, using an introduction device (29, 31, 32, 33, 34), which simplifies the subsequent processing of the strips.

IPC 1-7

**B65H 29/62**

IPC 8 full level

**B41F 13/56** (2006.01); **B65H 29/62** (2006.01); **B65H 31/24** (2006.01); **B65H 35/02** (2006.01); **B65H 35/04** (2006.01); **B65H 43/04** (2006.01)

CPC (source: EP US)

**B41F 13/56** (2013.01 - EP US); **B65H 29/62** (2013.01 - EP US); **B65H 31/24** (2013.01 - EP US); **B65H 35/02** (2013.01 - EP US); **B65H 2301/351** (2013.01 - EP US); **B65H 2301/4314** (2013.01 - EP US); **B65H 2404/1321** (2013.01 - EP US); **B65H 2406/33** (2013.01 - EP US); **B65H 2406/345** (2013.01 - EP US); **B65H 2601/123** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Citation (search report)

- [DA] EP 0286317 A1 19881012 - KOMORI CURRENCY TECHNOLOGY UK [GB]
- [DA] EP 0248307 A1 19871209 - DE LA RUE GIORI SA [CH]
- [A] FR 721489 A 19320303 - ZUM BRUDERHAUS MASCHF

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0248014 A1 20020620**; AT E281394 T1 20041115; AT E297353 T1 20050615; AU 2156102 A 20020624; DE 10062817 C1 20020905; DE 50104435 D1 20041209; DE 50106484 D1 20050714; EP 1341714 A1 20030910; EP 1341714 B1 20041103; EP 1447364 A2 20040818; EP 1447364 A3 20040825; EP 1447364 B1 20050608; US 2004020384 A1 20040205; US 6901855 B2 20050607

DOCDB simple family (application)

**DE 0104246 W 20011112**; AT 01270481 T 20011112; AT 04101722 T 20011112; AU 2156102 A 20011112; DE 10062817 A 20001215; DE 50104435 T 20011112; DE 50106484 T 20011112; EP 01270481 A 20011112; EP 04101722 A 20011112; US 43348303 A 20030613