

Title (en)  
Device for discharging printed materials

Title (de)  
Vorrichtung zum Ausschleusen von Bedruckstoffen

Title (fr)  
Dispositif pour dévier matières d'impression

Publication  
**EP 2093175 A3 20140716 (DE)**

Application  
**EP 09100082 A 20090129**

Priority  
DE 102008010987 A 20080225

Abstract (en)  
[origin: EP2093175A2] The device (200) has an upper conveyor belt and a lower conveyor belt, which are arranged parallel to each other. An ejector lever (7) downwardly moves the upper and lower conveyor belts relative to a horizontal conveying plane (E) such that printed substrates are discharged from its horizontal transportation direction (T) into a discharging direction (A) by the moved belts. The ejector lever is indirectly or directly connected with a six-edged shaft, which is driven by an actuator e.g. servomotor.

IPC 8 full level  
**B65H 29/58** (2006.01); **B31B 50/04** (2017.01); **B65H 29/62** (2006.01)

CPC (source: EP)  
**B65H 29/58** (2013.01); **B65H 29/62** (2013.01); **B31B 50/042** (2017.07); **B31B 50/046** (2017.07); **B65H 2301/44316** (2013.01); **B65H 2403/514** (2013.01); **B65H 2404/153** (2013.01); **B65H 2404/2613** (2013.01); **B65H 2404/2693** (2013.01); **B65H 2404/63** (2013.01); **B65H 2404/6942** (2013.01); **B65H 2404/696** (2013.01); **B65H 2555/24** (2013.01); **B65H 2701/1766** (2013.01)

Citation (search report)

- [I] US 5467976 A 19951121 - DOUCET LOUIS J [US]
- [I] JP S62140060 U 19870903
- [A] DE 3608058 A1 19870917 - COMPUTER GES KONSTANZ [DE]
- [A] US 4307800 A 19811229 - JOA CURT G
- [A] JP S63196448 A 19880815 - MINOLTA CAMERA KK
- [A] DE 102004049490 A1 20050609 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] KRAMER W E: "COMPACT SECURE MAILBOX", XEROX DISCLOSURE JOURNAL, XEROX CORPORATION. STAMFORD, CONN, US, vol. 18, no. 6, 1 November 1993 (1993-11-01), pages 619 - 624, XP000414757

Cited by  
CN102582119A; CN110253949A; EP3549879B1

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 TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2093175 A2 20090826; EP 2093175 A3 20140716; EP 2093175 B1 20150826;** DE 102008010987 A1 20090827; ES 2547533 T3 20151007

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**EP 09100082 A 20090129;** DE 102008010987 A 20080225; ES 09100082 T 20090129