

Title (en)

Intaglio printing machine with web tension compensation and method for servicing such an intaglio printing machine

Title (de)

Tiefdruckwerk mit Bahnspannungsausgleich und Verfahren zum Warten eines solchen Tiefdruckwerks

Title (fr)

Machine d'impression en creux avec compensation de tension de bande et procédé d'entretien d'une telle machine d'impression en creux

Publication

**EP 2604431 A3 20150923 (DE)**

Application

**EP 12193506 A 20121121**

Priority

DE 102011121319 A 20111216

Abstract (en)

[origin: EP2604431A2] The printing unit (10) has guide rollers (5) for guiding the printing material (100). The guide rollers are arranged along upstream and downstream directions of an impression roller (2) respectively. A servomotor (7) associated with an actuator (8) is provided to drive the gravure cylinder (3) and the impression roller, for changing the height of the impression cylinder from operating position into maintenance position. The actuator control device is provided for balancing web tension of printing material. An independent claim is included for method for servicing rotogravure printing unit.

IPC 8 full level

**B41F 9/00** (2006.01); **B41F 13/012** (2006.01); **B41F 13/02** (2006.01); **B41F 13/16** (2006.01); **B41F 13/24** (2006.01); **B65H 23/188** (2006.01)

CPC (source: EP)

**B41F 9/003** (2013.01); **B41F 13/02** (2013.01); **B41F 13/025** (2013.01); **B41F 13/16** (2013.01); **B41F 13/24** (2013.01); **B65H 20/02** (2013.01); **B65H 23/16** (2013.01); **B65H 23/1888** (2013.01); **B65H 2404/1441** (2013.01); **B65H 2801/21** (2013.01)

Citation (search report)

- [Y] DE 2811433 A1 19780921 - BAKER PERKINS HOLDINGS LTD
- [Y] DE 102008053406 A1 20100429 - BOSCH GMBH ROBERT [DE]
- [Y] EP 1559572 A1 20050803 - ROSSINI S P A [IT]

Cited by

DE102017210170A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2604431 A2 20130619**; **EP 2604431 A3 20150923**; **EP 2604431 B1 20160928**; CN 103158333 A 20130619; CN 103158333 B 20161228; DE 102011121319 A1 20130620

DOCDB simple family (application)

**EP 12193506 A 20121121**; CN 201210597069 A 20121214; DE 102011121319 A 20111216