

Title (en)

Process and system for automatically loading and unloading matrix printing plates on cylinders for printing assemblies for flexographic printing machines

Title (de)

Vorrichtung und Verfahren zum automatischen Zuführen und Abführen von Druckplatten für Zylinder von einer flexographischen Druckmaschine

Title (fr)

Procédé et dispositif pour alimenter vers et décharger des cylindres des plaques d'impression d'une machine d'impression flexographique

Publication

**EP 1435292 A1 20040707 (EN)**

Application

**EP 03425001 A 20030102**

Priority

EP 03425001 A 20030102

Abstract (en)

A process and a system are disclosed for automatically loading and unloading matrix printing plates (1) on cylinders (3) for printing assemblies (5) for flexographic printing machines. Through such process and such system, it is possible to do without long and cumbersome installation and removal phases of the plates (1) that before were completely manually carried out. When loading, the plates (1), once having been placed on a frame (7), are supplied, hooked and fixed to the cylinder (3) in a completely automatic and controlled way, while, when unloading, they are firstly unhooked and then taken back onto the receiving frame (7). <IMAGE>

IPC 1-7

**B41F 27/12**

IPC 8 full level

**B41F 27/12** (2006.01)

CPC (source: EP GB)

**B41F 3/81** (2013.01 - GB); **B41F 9/1081** (2013.01 - GB); **B41F 27/1206** (2013.01 - EP); **B41F 31/02** (2013.01 - GB)

Citation (applicant)

- DE 10024087 A1 20011122 - ROHLOFF TORALD [DE]
- DE 10139292 A1 20020321 - HEIDELBERGER DRUCKMASCH AG [DE]

Citation (search report)

- [A] GB 2277903 A 19941116 - DERITEND ENG LTD [GB]
- [A] US 2002050216 A1 20020502 - MIYAUTI CHUUJI [JP]
- [A] US 6199280 B1 20010313 - SCHNEIDER GEORG [DE], et al

Cited by

EP2006103A1; DE102009000217B4; GB2413530A; DE102007020718A1; EP1826004A3; DE102009045402B4; DE102006003013A1; DE102006003013B4; DE102006056831A1; DE102006056831B4; EP2329952A3; DE102006056830A1; DE102006056830B4; DE102008002683B4; DE102006062835B4; DE102006056827B4; DE102006056827A1; DE102005013360A1; DE102005013360B4; DE202006020717U1; EP1938985A2; EP1927468A2; US8316767B2; DE102009045402A1; US8550000B2; US8069788B2; WO2009156417A3; WO2010081569A1; WO2007090732A3; WO2010083898A1; WO2010046424A1; WO2006134070A2; DE102008043160A1; WO2007090732A2; US8001897B2; EP1927475A2; DE202007018704U1; EP2030787A1; DE102008002683A1; US8051774B2; US8322283B2; US8505452B2; EP2116376A1; EP2116377A1; DE102008002679A1; WO2008064960A1; DE102009000217A1; US7963226B2; DE102008002681A1; EP2329952A2; US8127678B2; US8191473B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

**EP 1435292 A1 20040707**; **EP 1435292 B1 20060315**; AT E320346 T1 20060415; DE 60304024 D1 20060511; GB 0702483 D0 20070321; GB 2435238 A 20070822

DOCDB simple family (application)

**EP 03425001 A 20030102**; AT 03425001 T 20030102; DE 60304024 T 20030102; GB 0702483 A 20070209