

Title (en)

Method and device for printing plate-shaped workpieces

Title (de)

Verfahren und Vorrichtung zum Bedrucken von plattenförmigen Werkstücken

Title (fr)

Procédé et dispositif destinés à l'impression d'objets en forme de plaques

Publication

EP 1842666 A3 20110525 (DE)

Application

EP 07003380 A 20070217

Priority

DE 102006016694 A 20060408

Abstract (en)

[origin: EP1842666A2] The method involves measuring the thickness of each workpiece (7) before or during the transport to a printing gap (2), which is adjusted before the printing by parallel or slant angular changes of the gap of two press rollers (3) together. The thickness is measured at two points, where the line connecting the two measuring points, runs parallel to the axis of press rollers. The measurement is done in real time in the direction of transport across the entire length of the workpiece. The additional forces, which act upon the bearing of the press rollers, are measured during the printing. An independent claim is also included for a device for accomplishing the method for printing disc shaped workpieces in printing gap.

IPC 8 full level

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CPC (source: EP US)

B41F 13/34 (2013.01 - EP US); **B41F 17/26** (2013.01 - EP US); **B41F 33/0072** (2013.01 - EP US); **B44F 9/02** (2013.01 - EP US)

Citation (search report)

- [XA] DE 581049 C 19330720 - JULIUS FISCHER MASCHINENFABRIK
- [A] WO 03035398 A1 20030501 - NEBIOLO PRINTECH S P A [IT], et al
- [A] FR 676977 A 19300301 - MASA GMBH ZUR HERSTELLUNG KUNS
- [A] DE 102004011229 A1 20050929 - HYMMEN THEODOR HOLDING GMBH [DE]
- [A] DE 19949951 A1 20010510 - LTG MAILAENDER GMBH [DE]
- [A] DE 3429049 A1 19860220 - BUERKLE GMBH & CO ROBERT [DE]
- [AD] DE 10333626 A1 20050217 - BUERKLE GMBH ROBERT [DE]
- [A] DE 4326794 A1 19950216 - KAMMANN MASCHF WERNER [DE]

Cited by

EP2022568A3; ITMI20091461A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07003380 A 20070217; BR PI0701351 A 20070404; CN 200710091075 A 20070406; DE 102006016694 A 20060408; ES 07003380 T 20070217; TW 96110302 A 20070326; US 69166307 A 20070327