

Title (en)
PRINTING UNIT WITH AT LEAST TWO PRINTING MECHANISMS DRIVEN MECHANICALLY INDEPENDENTLY FROM ONE ANOTHER,
FORMING A DOUBLE PRINTING MECHANISM

Title (de)
DRUCKEINHEIT MIT WENIGSTENS ZWEI MECHANISCH UNABHÄNGIG VONEINANDER ANGETRIEBENEN, EIN DOPPELDRUCKWERK
AUSBILDENDEN DRUCKWERKEN

Title (fr)
UNITÉ D'IMPRESSION MUNIE D'AU MOINS DEUX GROUPES D'IMPRESSION ENTRAÎNÉS MÉCANIQUEMENT INDÉPENDAMMENT L'UN DE
L'AUTRE ET FORMANT UN GROUPE D'IMPRESSION DOUBLE

Publication
EP 2841278 B1 20160113 (DE)

Application
EP 13708783 A 20130308

Priority
• DE 102012206802 A 20120425
• EP 2013054687 W 20130308

Abstract (en)
[origin: WO2013159976A1] A printing unit (01) comprises at least one first printing mechanism (04) and a second printing mechanism (04) forming a double printing mechanism (12) with the first printing mechanism (04), wherein the first and the second printing mechanism (04) each comprise a printing mechanism cylinder constructed as a forme cylinder (07) with a first drive wheel (42) constructed as a gear wheel for rotary driving thereof and a printing mechanism cylinder constructed as a transfer cylinder (06) with a second drive wheel (41, 41') constructed as a gear wheel for rotary driving thereof. The two gear wheels (41, 41', 42) are straight-toothed and form a straight-toothed drive coupling between forme and transfer cylinders, which is directly or indirectly driven mechanically by a drive motor (38) independently of the drive coupling of the respective other printing mechanism. The drive wheels (41, 41') of the transfer cylinders (06) of the two printing mechanisms (04) are arranged in two lines (F1, F2) differing from one another and offset axially from one another, such that there is no tooth engagement between the two. First the drive wheel (42) of the forme cylinder (07) is driven, and thereby the drive wheel (41, 41') of the transfer cylinder (06) is driven, by the drive motor (38) via a gearwheel (37) directly or indirectly driven by the drive motor (38).

IPC 8 full level
B41F 31/00 (2006.01); **B41F 13/00** (2006.01); **B41F 13/008** (2006.01)

CPC (source: EP)
B41F 13/0024 (2013.01); **B41F 13/008** (2013.01); **B41F 31/004** (2013.01); **B41P 2213/20** (2013.01)

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

DOCDB simple family (publication)
WO 2013159976 A1 20131031; CN 104245320 A 20141224; CN 104245320 B 20160323; DE 102012206802 A1 20131031;
DE 102012206802 B4 20150402; EP 2841278 A1 20150304; EP 2841278 B1 20160113

DOCDB simple family (application)
EP 2013054687 W 20130308; CN 201380021596 A 20130308; DE 102012206802 A 20120425; EP 13708783 A 20130308