

Title (en)

FLEXIBLE EMBOSSEING PLATE FOR A SHEET FED PRINTING MACHINE FOR SECURITY PRINTING

Title (de)

FLEXIBLE PRÄGEPLATTE FÜR EINE BOGENDRUCKMASCHINE IM SICHERHEITSDRUCK

Title (fr)

PLAQUE D'ESTAMPAGE FLEXIBLE POUR UNE PRESSE À FEUILLES DE L'IMPRESSION DE SÉCURITÉ

Publication

EP 3513972 B1 20201111 (DE)

Application

EP 19156584 A 20160909

Priority

- DE 102015011918 A 20150911
- EP 16763199 A 20160909
- EP 2016001524 W 20160909

Abstract (en)

[origin: WO2017041896A2] The invention relates to a sheet-fed press (40) for printing and embossing printed sheets (50) for producing security elements (14) with an optically variable structure (20), comprising at least one printing unit (44-1, 44-2), which is designed and equipped to coat (22) the printed sheets (50) with a repeating pattern (22-1, 22-2), an embossing unit (46) which is designed and equipped to provide the printed sheets (50) with a fine-structured embossing structure (26), and comprising conveying systems for guiding the printed sheets (50) within the sheet-fed press (40) on a peripheral gripping structure, the printed sheets being gripped through the at least one printing unit (44-1, 44-2) and the embossing unit (46) in order to produce the finely structured embossing structure (26) and to apply the coating (22) in an adapted manner to the printed sheets (50) and to thus form the optically variable structure (20) of the security element (14) which is to be produced. The invention also relates to a method for producing a security element with an optically variable structure (20) in said type of sheet-fed press, a flexible embossing plate (70) for said type of sheet-fed press and to a method for producing said type of embossing plate.

IPC 8 full level

B41F 19/02 (2006.01); **B41F 21/08** (2006.01); **B44B 5/02** (2006.01)

CPC (source: EP)

B41F 19/02 (2013.01); **B41F 21/08** (2013.01); **B44B 5/026** (2013.01); **B42D 25/425** (2014.10)

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 2017041896 A2 20170316; WO 2017041896 A3 20170824; DE 102015011918 A1 20170316; EP 3365175 A2 20180829; EP 3365175 B1 20191127; EP 3513972 A1 20190724; EP 3513972 B1 20201111

DOCDB simple family (application)

EP 2016001524 W 20160909; DE 102015011918 A 20150911; EP 16763199 A 20160909; EP 19156584 A 20160909