

Title (en)
PRINTING PLATES WITH PRINTING STRUCTURES HAVING MULTIPLE ELEVATIONS AND, SYSTEMS AND PROCESS FOR MANUFACTURE,
AND METHODS FOR USE OF THE SAME

Title (de)
DRUCKPLATTEN MIT DRUCKSTRUKTUREN MIT MEHREREN ERHÖHUNGEN, SYSTEME UND VERFAHREN ZUR HERSTELLUNG UND
VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)
PLAQUES D'IMPRESSION À STRUCTURES D'IMPRESSION AYANT DE MULTIPLES HAUTEURS ET, SYSTÈMES ET PROCESSUS DE
FABRICATION AINSI QUE LEURS PROCÉDÉS D'UTILISATION

Publication
EP 4252075 A1 20231004 (EN)

Application
EP 21820166 A 20211124

Priority
• US 202063117659 P 20201124
• US 202063117826 P 20201124
• EP 2021082848 W 20211124

Abstract (en)
[origin: WO2022112342A1] Processes and systems for making a flexo plate (2302) with a plurality of plate structures (2304) having a plurality of different elevations relative to the plate floor, including a first set of printing structures having a top elevation at a first (e.g. uppermost) level of the plate and at least a second set of printing structures having a top elevation at a second elevation above the plate floor below the first elevation but above the plate floor. In some embodiments, the second set of printing structures may form an indicator structure having at least one elevation configured to print conditionally after a predetermined amount of plate wear or upon receiving greater than a desired amount of contact pressure (2310, 2312). In other embodiments, the first set of printing structures correspond to relatively high ink coverage areas and the second set of printing structures correspond to relatively low ink coverage areas.

IPC 8 full level
G03F 7/20 (2006.01)

CPC (source: EP)
G03F 7/2002 (2013.01); **G03F 7/0012** (2013.01); **G03F 7/2004** (2013.01); **G03F 7/2006** (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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022112342 A1 20220602; EP 4252075 A1 20231004

DOCDB simple family (application)
EP 2021082848 W 20211124; EP 21820166 A 20211124