Title (en)
METHOD FOR PRINTING A VARYING PATTERN OF LANDING ZONES ON A SUBSTRATE BY MEANS OF INK-JET PRINTING

Title (de)
VERFAHREN ZUM BEDRUCKEN EINES SUBSTRATS MIT VARIIERENDEM MUSTER VON LANDEZONEN MITTEILS INK-JET-DRUCK

Title (fr)
PROCÉDÉ D'IMPRESSION D'UN MOTIF VARIABLE DE ZONES D'ATTERRISSAGE SUR UN SUBSTRAT AU MOYEN D'UNE IMPRESSION À JET D'ENCRE

Publication
EP 3538373 A1 20190918 (DE)

Application
EP 17838120 A 20171109

Priority
• EP 16197851 A 20161108
• EP 2017001300 W 20171109

Abstract (en)
[origin: WO2018099583A1] The invention relates to a method for printing a substrate by means of ink-jet printing. The aim of the invention is to ensure a precise printing with little effort of a landing point matrix, especially a non-linearly distorted landing point matrix, which is displaced, twisted or distorted with respect to an ideally orthogonal landing point matrix. Said aim is achieved in that the lateral resolution is selected to be so high that the smallest distance of the nozzle lines is smaller than the minimum distance between the landing zone rows and that, in the case of a variation of the distance of adjacent landing zone rows between different landing zone rows (distortion), which is predefined by the substrate, the position of the landing zones of a landing zone row relative to the nozzle lines is determined, whereby only the printhead nozzles, the nozzle line of which intersects a landing zone, are controlled in accordance with a nozzle drive scheme and the corresponding type of landing zone.

IPC 8 full level
B41J 25/00 (2006.01)

CPC (source: EP RU US)
B41J 2/04505 (2013.01 - US); **B41J 2/2132** (2013.01 - EP US); **B41J 25/00** (2013.01 - RU); **B41J 25/003** (2013.01 - EP US); B41J 2/04586 (2013.01 - US)

Citation (search report)
See references of WO 2018099583A1

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

DOCDB simple family (publication)
WO 2018099583 A1 20180607; **WO 2018099583 A8 20180913**; CN 110167761 A 20190823; CN 110167761 B 20210202; EP 3538373 A1 20190918; EP 3538373 B1 20210106; PL 3538373 T3 20210823; RU 2736450 C1 20201117; US 10981394 B2 20210420; US 2019337302 A1 20191107

DOCDB simple family (application)
EP 2017001300 W 20171109; CN 201780082590 A 20171109; EP 17838120 A 20171109; PL 17838120 T 20171109; RU 2019117559 A 20171109; US 201716348038 A 20171109