

Title (en)

PRINTING PLATFORM FOR INKJET PRINTING EQUIPMENT

Title (de)

DRUCKPLATTFORM FÜR TINTENSTRAHLDRUCKAUSRÜSTUNG

Title (fr)

PLATE-FORME D'IMPRESSION POUR ÉQUIPEMENT D'IMPRESSION À JET D'ENCRE

Publication

EP 3575094 A4 20200219 (EN)

Application

EP 18847818 A 20180716

Priority

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Abstract (en)

[origin: EP3575094A1] The present invention relates to the field of printers, and particularly relates to a printing platform. The printing platform is located between a paper feeding platform and a paper outlet platform, a plurality of convex planes and concave planes is arranged on one side, in contact with a printing medium, of the printing platform, the convex planes and the concave planes are provided alternately along the X direction of the printing platform, and stretch across the Y direction of the printing platform; and the paper delivery ends of the concave planes are provided in an opened manner. The printing platform disclosed by the present invention well solves the problem of bulging of the ink-jet printing medium, which troubles the industry for a long time, especially large-ink-quantity wide format printing equipment. By the ground-breaking non-planar concave-convex design of the platform, the printing platform is skillfully based on ballooning and deformation of the medium absorption on site. While for the problem that the printing effect is affected because the platform is uneven, which is worried by the industry originally, because the ink droplets fly downwards vertically, in a certain stroke, tiny height difference may be neglected. Actual test also proves that the printing effect is better than that of the original design.

IPC 8 full level

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Citation (search report)

- [XAI] US 6270215 B1 20010807 - MIYASAKA TOSHIKI [JP], et al
- [A] EP 1182041 A1 20020227 - HEWLETT PACKARD CO [US]
- [A] EP 2610064 A1 20130703 - FUJIFILM CORP [JP]
- See references of WO 2019037560A1

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