

Title (en)

Ink-jet printer with a print-head mounting assembly

Title (de)

Tintenstrahldrucker mit Druckkopfmontageeinrichtung

Title (fr)

Imprimante à jet d'encre avec ensemble de montage d'une tête d'impression

Publication

EP 1728642 A1 20061206 (EN)

Application

EP 05405365 A 20050602

Priority

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Abstract (en)

An ink-jet printer with a print-head mounting assembly comprises at least one print-head (80) and a printer base plate having at least one slot to permit the positioning of the nozzles of said print-head within such a slot to enable ink ejected by said nozzles to be deposited on a printing surface. Such a base plate comprises, for each slot, three or more base plate bearing surfaces arranged around each slot. Each print-head (50,80) comprises a corresponding number of bearing surfaces in a position, that the print-head (50,80) can be positioned on the base plate so that the corresponding bearing surfaces come in releasable predefined contact. Locking means (46) are provided to lock each print-head (50,80) in said releasable predefined contact on the base plate (20). Balls (25) enable accurate pre-defined positioning. This enables a quick exchange of the print-head (50,80) without conducting any adjustment work.

IPC 8 full level

B41J 25/34 (2006.01)

CPC (source: EP)

B41J 25/34 (2013.01)

Citation (search report)

- [DXY] US 2003128254 A1 20030710 - ISON ROBERT M [GB], et al
- [XY] US 5212502 A 19930518 - BOWLING BRUCE A [US]

Cited by

CN113696630A; AT522339A4; AT522339B1; CN111716907A; GB2460854A; GB2460854B; US10391771B2

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