

Title (en)  
INK-PRINTING MECHANISM WITH REPLACEABLE PRINTING HEADS.

Title (de)  
TINTENDRUCKWERK MIT AUSTAUSCHBAREN DRUCKKÖPFEN.

Title (fr)  
IMPRIMANTE A JET D'ENCRE AVEC TETES D'IMPRESSION INTERCHANGEABLES.

Publication  
**EP 0500563 B1 19931124**

Application  
**EP 90915307 A 19900924**

Priority  
EP 89120145 A 19891030

Abstract (en)  
[origin: WO9106432A1] The printing mechanism of the invention has a multiplicity of plug-in type printing heads (12) mounted on support plates (23) and which can be replaced and interchanged without difficulty by the operator. To this end, the mechanism is divided into a lower part and the actual printing heads (12) so that, when the heads (12) are plugged in, the necessary mechanical, electrical and hydraulic connections (27, 28, 29, 31, 26, 41, 33) between the heads (12) and the lower part of the printing mechanism are all established. Guide and locking means are used to ensure that the plugged-in heads are exactly positioned and held in place. The sockets for the individual heads (12) are each of identical design so that the simple replacement concept permits any printing heads (for colour printing, graphics, printing with different droplet sizes) to be used.

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**B41J 25/34**

IPC 8 full level  
**B41J 2/01** (2006.01); **B41J 25/34** (2006.01)

CPC (source: EP)  
**B41J 25/34** (2013.01)

Citation (examination)  
• PATENT ABSTRACTS OF JAPAN, vol. 10, no. 55, (M-458)(2112), 05.03.1986; JP A 60 204 342  
• PATENT ABSTRACTS OF JAPAN, vol. 10, no. 55, (M-458)(2112), 05.03.1986; JP A 60 204 340

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**EP 9001619 W 19900924**; DE 59003637 T 19900924; EP 90915307 A 19900924; JP 51423890 A 19900924