

Title (en)  
PRINT HEAD CARRIAGE INCORPORATING THE INK SUPPLY FOR AN INK JET PRINTER

Publication  
**EP 0059256 B1 19860226 (DE)**

Application  
**EP 81109275 A 19811029**

Priority  
DE 3107556 A 19810227

Abstract (en)  
[origin: EP0059256A2] 1. Printing carriage for ink printing devices consisting of a carrier member (1), a printing head (2) arranged on the carrier member and which has an exchangeable feed container for the printing liquid, and a filter unit (3) which is arranged between the feed container and the printing head, the carrier member being trough-shaped at least in the region of the feed container and having guide elements (5) for receiving the feed container in this region, characterised in that the filter unit (3) consists of a trough-shaped lower portion (6) having connection elements (7) for the ink supply system of the printing head (2), an upper portion (10) which is arranged on the lower portion (6) and has connection elements (9) for the ink supply to the feed container, and a filter element (11) which is arranged between the lower and upper portions ; that the filter element (11) divides the filter chamber into a lower settling space (12) which is connected to the ink supply system of the feed container, and an upper space (13) which is connected to the ink supply system of the printing head ; and that guide elements (5) which are arranged to receive the feed container, simultaneously serve to receive the filter unit (3) adapted to be arranged as an individual module.

IPC 1-7  
**B41J 3/04**; **B41J 27/00**

IPC 8 full level  
**B41J 2/175** (2006.01); **B41J 27/00** (2006.01); **B43L 13/00** (2006.01)

CPC (source: EP)  
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Cited by  
EP0607928A3; US5940102A; US6203149B1

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**EP 0059256 A2 19820908**; **EP 0059256 A3 19830817**; **EP 0059256 B1 19860226**; DE 3107556 A1 19820916; DE 3107556 C2 19870402; JP S57157783 A 19820929

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