

Title (en)
Inkjet print carriage width minimization

Title (de)
Minimalisierung der Breite des Tintenstrahlkopfwagens

Title (fr)
Limiter la largeur du chariot d'impression à jet d'encre

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EP 0775586 A1 19970528 (EN)

Application
EP 96302190 A 19960328

Priority
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Abstract (en)
Print carriage path length is minimized for a multiple-pen print carriage (72) shuttling pens (62-68/92-98) of differing resolution. In one embodiment, the carriage holds a 600 dpi black ink pen (62, 94) and three 300 dpi colored ink pens (64-68/92,96,98). The printhead for each lower resolution pen has nozzles aligned in a single row (76), while the printhead for the higher resolution pen has nozzles aligned in multiple (e.g., two) rows (72,74). Alternatively the printhead for the lower resolution pens (100) have active nozzles aligned in one active row (102 or 104). The pens are aligned side-by-side within the shuttle carriage. The higher resolution pen takes an inner position within the shuttle carriage. By positioning the lower-resolution pen nozzles in a single row and positioning the higher resolution pen in an inner position, the carriage width of the printer is shortened by several millimeters. <IMAGE>

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• [A] WO 9108902 A1 19910627 - SPECTRA INC [US]
• [A] US 4540996 A 19850910 - SAITO SEIJI [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 554 (M - 1691) 21 October 1994 (1994-10-21)
• [A] PATENT ABSTRACTS OF JAPAN vol. 95, no. 007
• [A] PATENT ABSTRACTS OF JAPAN vol. 95, no. 001

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