

Title (en)
Dual inkjet pen carriage system

Title (de)
Wagensystem für zwei Farbstrahlschreiber

Title (fr)
Système de balayage pour deux dispositifs d'écriture

Publication
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Application
EP 95307796 A 19951101

Priority
US 39924495 A 19950302

Abstract (en)
A dual pen carriage system (50) supports a pair of inkjet pens (60, 62) in an inkjet printing mechanism (20). A carriage body (75) defines a pair of pen chambers (80, 82), separated by a main alignment wall (76), for receiving the pens (60, 62). The main wall (76) defines at least one first direction alignment datum (180, 180', 182, 184; 180', 184, 186, 188) in each chamber (80, 82). A reference rod (190) extends through both chambers (80, 82) to define pen alignment datums in two orthogonal directions, which are orthogonal to the first direction. The body (75) supports an adjustment member (215) that selectively engages a rotational registration member (214) along the main wall (76) to simultaneously adjust the angular alignment of each pen chamber (80, 82). A latch mechanism (70, 72) coupled to the carriage body (75) applies, upon closing, a controlled force to a latching land (115, 155) on each pen (60, 62) to push the pens into contact with the datums (180, 180', 182, 184, 190, 196; 180', 184, 186, 188, 190, 198). A method is also provided for aligning a pair of inkjet pens (60, 62) in an inkjet printing mechanism (20). <IMAGE>

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Citation (applicant)
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• US 4683481 A 19870728 - JOHNSON SAMUEL A [US]
• US 5366305 A 19941122 - CHRISTIANSON JOHN A [US]
• US 4907018 A 19900306 - PINKERPELL DAVID W [US], et al
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• [X] US 5212502 A 19930518 - BOWLING BRUCE A [US]
• [DA] US 4907018 A 19900306 - PINKERPELL DAVID W [US], et al
• [A] EP 0622235 A2 19941102 - HEWLETT PACKARD CO [US]
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• [A] DANGELO, ET AL.: "Print Cartridge Fixturing and Maintenance in the HP DeskJet 1200C Printer", HEWLETT-PACKARD JOURNAL, vol. 45, no. 1, February 1994 (1994-02-01), PALO ALTO US, pages 67 - 71, XP000426546

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