

DATUM FORMATION FOR IMPROVED ALIGNMENT OF
MULTIPLE NOZZLE MEMBERS IN A PRINTER

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ABSTRACT OF THE DISCLOSURE

Precise alignment between two or more nozzle plates (52) affixed to print cartridges (24, 25, 26, 27) installed in a single carriage (30) of an ink printer is achieved by machining datum projections (58, 100, 102) on each print cartridge (24-27) after its nozzle plate (52) has been permanently secured to the print cartridge (24-27). The machined datum projections (58, 100, 102) on the 15 print cartridge (24-27) contact surfaces (76) on the carriage (30) when the print cartridge (24-27) is installed in the carriage (30) such that the dimensions of the datums (58, 100, 102) affect the position of the cartridge, and hence the nozzle plate (52), within the 20 carriage (30).

(Fig. 5A)

This Sheet Has Been Replaced

