

Title (en)

Components for a supply circuit for an ink jet printer.

Title (de)

Bestandteile für Tintenzuführkreis für einen Tintenstrahldruckkopf.

Title (fr)

Éléments constituants pour circuit d'alimentation d'une tête d'impression à jet d'encre.

Publication

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Application

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Priority

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Abstract (en)

[origin: WO8905728A1] The invention concerns a device for receiving a combination of two chambers of variable volume and a plurality of valves to constitute a circuit for supplying ink to an ink jet printing head. The device (100) is a solid monobloc piece comprising a plurality of cavities (26a) arranged radially about a central housing which contains a piston (P) and a pressure sensor (5). The piston (P) is formed by stacking at least two pieces (P1) and (P2) of diameter O1 and O2 and two membranes (m1, m2) gripped by two flanges (bd1) and (bd2), the assembly delimiting two chambers of variable volume (1, 23). The device (100) co-operates with a reservoir block (300) with two compartments, between which a connecting rod (500) linked on one side to a cam (3) and on the other to the piston (P) moves to form an extremely reliable and compact ink feed circuit. The invention is useful in the field of ink jet printing.

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