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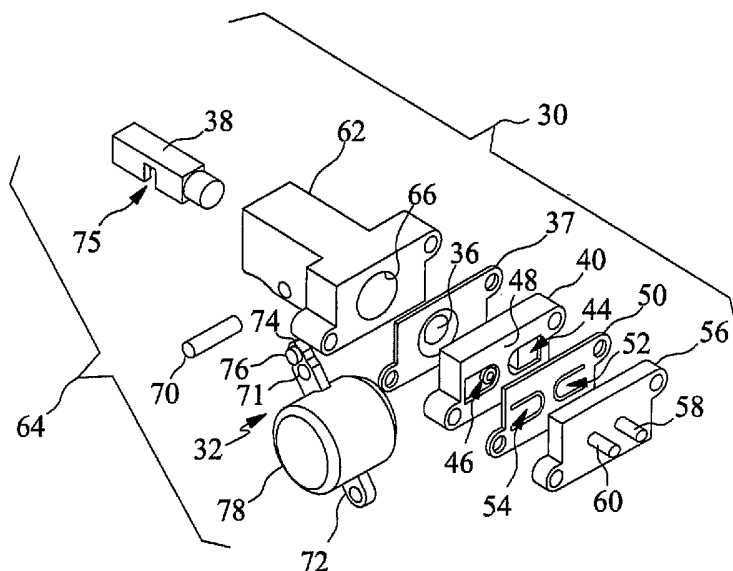
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(54) Title: PASSIVE INK PUMP SYSTEM FOR AN INKJET PRINTER



(57) Abstract: A print carriage and ink supply system for a printer includes: (a) a print carriage adapted for lateral reciprocation along a print medium with a printer, where the print carriage includes at least one print head; (b) an ink pump including an ink inlet in fluid communication with an ink source, an ink outlet in fluid communication with the print head, and a pump actuator for at least initiating displacement of ink through the ink pump upon actuation; and (c) an inertial mass coupled to the print carriage for reciprocating movement with respect to the print carriage in opposing reaction to acceleration of the print carriage laterally along the print medium; where the inertial mass is indirectly linked to the pump actuator by a mechanical linkage such that the combination of the inertial mass and mechanical linkage actuates the pump at least upon certain accelerations of the print carriage laterally along the print medium.



WO 2005/089174 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/07825

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) : B41J 2/175

US CL : 347/86

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 347/86,85;345/84,85;400/283,328,382

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
EAST TEXT SEARCH

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,777,646 A (BARINAGA et al) 07 July 1998 (07.07.1998) see entire document.	1-54
A	US 4,429,320 (HATTORI et al) 31 January 1984 (31.01.1984) see entire document.	1-54



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Continuation of B. FIELDS SEARCHED Item 3:
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Search Terms: printer, carriage,passive,pump,ink,accelerat,pendulum,mass