

Title (en)
TIME OF FLIGHT MEASUREMENT FOR INK JET PRINTERS

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EP 0147068 A3 19860129 (EN)

Application
EP 84308201 A 19841127

Priority
GB 8334038 A 19831221

Abstract (en)
[origin: EP0147068A2] Apparatus for giving an indication of the time of flight of the ink stream of an ink jet printer comprises detector means (16) towards which one or more selected droplets of the ink stream may be directed by a deflection system comprising charging electrode (5) and deflecting electrodes (8). The detector means detects the presence of the selected droplets to give an indication of the time of flight of the said droplets. The time of flight may be calculated and displayed, or employed to control printing parameters such as ink supply pressure, deflecting charge or the rate at which items to be printed are conveyed past the printer. The time of flight also acts as a useful "state of health" monitor, to detect blockages or other malfunctions of the printer.

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B41J 3/04

IPC 8 full level
B41J 2/125 (2006.01)

CPC (source: EP)
B41J 2/125 (2013.01)

Citation (search report)
• [X] EP 0039772 A1 19811118 - IBM [US]
• [A] US 4063253 A 19771213 - ITO SYOICHI, et al
• [AD] US 3465351 A 19690902 - KEUR ROBERT I, et al
• [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 16, no. 3, August 1973, page 880, Armonk, New York, US; G.J. FAN: "Phase detection on ink jet droplets"

Designated contracting state (EPC)
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