

Title (en)

Time of flight measurement for ink jet printers.

Title (de)

Anordnung zur Flugzeitmessung in Tintenstrahldruckern.

Title (fr)

Dispositif pour la mesure du temps de vol pour imprimantes par projection d'encre.

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Application

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Priority

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Abstract (en)

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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