

Title (en)

Method and device for controlling a carriage motor and paper feed motor of a printer.

Title (de)

Verfahren und Vorrichtung zur Steuerung des Druckwagen- und Papierantriebes eines Druckers.

Title (fr)

Méthode et dispositif pour commander les moteurs d'avancement du chariot et d'avancement du papier pour une imprimante.

Publication

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Application

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Priority

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Abstract (en)

A control device for a carriage motor (CR) and paper feed (PF) motor of a printer includes; a unit for calculating, when the output of a paper presence/absence detector is indicative of paper absence, the length of a printable space remaining on a paper, a unit for predicting, on the basis of the calculated remaining space length and a paper feed amount of paper feeding being expected to be performed, the presence/absence of the printable space after the paper feeding expected to be performed is performed, a unit for controlling, when the prediction result is indicative of space presence, the driving of the paper feed motor to perform the paper feeding expected to be performed, and a unit for starting, when the print action is to be performed subsequently to the paper feeding, the driving of the carriage motor in advance of the termination of the paper feeding such that the speed of the carriage motor reaches a level adapted for the print action when the paper feeding terminates. When the print action is to be performed subsequently to the execution of the paper feeding, a judgement of printability after the execution of the paper feeding is made before the execution of that paper feeding, so that the speed of the carriage motor is made to reach a level adapted for the print action just at the moment (t3) when that paper feeding terminates. Therefore, the print action can be started immediately after the termination of the paper feeding.

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