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ABSTRACT OF THE DISCLOSURE

A device for PWM control of the printer carriage motor (1) which has a circuit (65) for generating a first PWM pulses of 100% duty ratio, a circuit for computing
5 second PWM pulses (31, 37, 39, 15, 17, 53, 57, 59) according to the PI control method based on the difference between the motor current speed and the predetermined standard speed, and a circuit (121) for holding the optimum integrated value for controlling the
10 motor current speed agree with the standard speed. Until the motor current speed reaches a predetermined transfer speed slightly lower than the standard speed, the carriage motor is accelerated with the maximum acceleration according to the first PWM pulses, when the
15 transfer speed is reached, the optimum integrated value is set as the initial integrated value of the PI control, and thereafter the speed control is carried out according to the PI control method. In this PWM control, the current supplied to the carriage motor is controlled so
20 as not to exceed a current limiting value predetermined according to the standard speed. Furthermore, the PWM standard period is purposely varied.

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