

Title (en)

Ink jet printing apparatus, a driving device for driving the ink jet printing apparatus, and an ink jet printing method

Title (de)

Tintenstrahldruckvorrichtung, Vorrichtung zum Treiben einer Tintenstrahldruckvorrichtung und Tintenstrahldruckverfahren

Title (fr)

Appareil d'impression à jet d'encre, dispositif pour entraîner l'appareil d'impression à jet d'encre et procédé d'impression à jet d'encre

Publication

**EP 0750988 A2 19970102 (EN)**

Application

**EP 96109845 A 19960619**

Priority

JP 16168195 A 19950628

Abstract (en)

An image signal, outputted from a host machine, is temporarily stored in an image signal buffer, and converted into bit signals for the heat generating resistors in an image processing circuit. Temperature information is derived from a thermistor attached to a ink jet print head, and converted into a digital signal by an A/D converter, and the digital signal is sent to a processor. The processor determines a correction level on the basis of the location of a block and the number of concurrent drives while referring to a correction-level determining table. The processor then determines a drive pulse condition on the basis of the correction level and a temperature of the ink jet print head while referring to a look-up tables. A drive pulse control circuit prepares a drive pulse signal on the basis of the bit signals of one line and the drive pulse condition, and drives the ink jet print head. <IMAGE>

IPC 1-7

**B41J 2/05**

IPC 8 full level

**B41J 2/175** (2006.01); **B41J 2/05** (2006.01); **B41J 2/12** (2006.01); **B41J 2/125** (2006.01); **B41J 2/14** (2006.01)

CPC (source: EP)

**B41J 2/04543** (2013.01); **B41J 2/04563** (2013.01); **B41J 2/04568** (2013.01); **B41J 2/0458** (2013.01); **B41J 2/04588** (2013.01); **B41J 2/04591** (2013.01); **B41J 2/04598** (2013.01); **B41J 2/14129** (2013.01)

Cited by

EP1844934A1; EP0925927A3; EP0893260A3; EP1193065A3; US7401882B2; EP0867283A3; US6183056B1; EP0913255A3; EP1078750A3; US6827413B1; US6547357B1; US6652055B2; US6312078B1; US7008035B2; US6652057B2; US7686413B2; US7938501B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0750988 A2 19970102**; **EP 0750988 A3 19970730**; JP H0911463 A 19970114; TW 307718 B 19970611

DOCDB simple family (application)

**EP 96109845 A 19960619**; JP 16168195 A 19950628; TW 85107748 A 19960627