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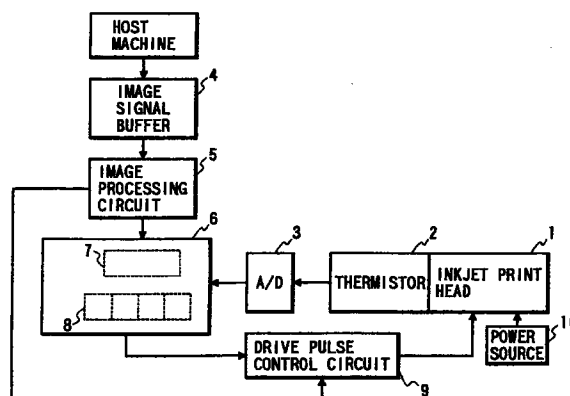
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(54) Ink jet printing apparatus, a driving device for driving the ink jet printing apparatus, and an ink jet printing method

(57) 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.

FIG. 1



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US 5 036 337 A (REZANKA IVAN) 30 July 1991	1,2,4, 12-14	B41J2/05
Y	* abstract * * column 4, line 39 - column 5, line 10 * * column 8, line 66 - column 11, line 36 * * column 12, line 19 - line 31 * * claims; figures 1,3,6 * ---	3,7-9	
P,X	US 5 497 174 A (STEPHANY JOSEPH F ET AL) 5 March 1996 * the whole document * ---	1,2,4, 12-14	
Y	EP 0 630 752 A (CANON KK) 28 December 1994 * column 9, line 19 - column 10, line 49 * * figures 7-11 * ---	3,7-9	
A	US 4 875 056 A (ONO TAKESHI) 17 October 1989 * the whole document * ---	1,2	
A	EP 0 440 490 A (CANON KK) 7 August 1991 * the whole document * -----	1-14	TECHNICAL FIELDS SEARCHED (Int.Cl.6) B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 May 1997	Examiner Didenot, B
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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