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(71) Applicant : **CANON KABUSHIKI KAISHA**
30-2, 3-chome, Shimomaruko,
Ohta-ku
Tokyo (JP)

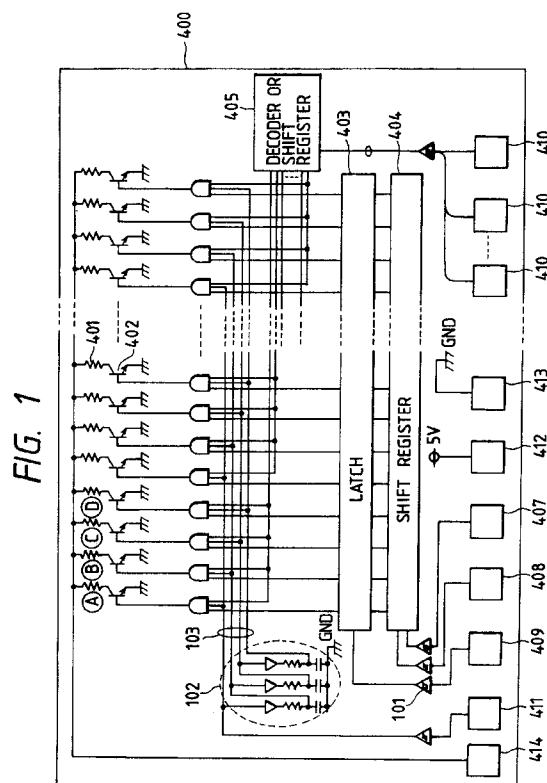
(72) Inventor : **Imanaka, Yoshiyuki**
c/o Canon K.K.,
30-2, 3-chome Shimomaruko
Ohta-ku, Tokyo (JP)

Inventor : **Furukawa, Tatsuo**
c/o Canon K.K.,
30-2, 3-chome Shimomaruko
Ohta-ku, Tokyo (JP)
Inventor : **Hayasaki, Kimiyuki**
c/o Canon K.K.,
30-2, 3-chome Shimomaruko
Ohta-ku, Tokyo (JP)
Inventor : **Maru, Hiroyuki**
c/o Canon K.K.,
30-2, 3-chome Shimomaruko
Ohta-ku, Tokyo (JP)
Inventor : **Izumida, Masaaki**
c/o Canon K.K.,
30-2, 3-chome Shimomaruko
Ohta-ku, Tokyo (JP)

(74) Representative : **Beresford, Keith Denis Lewis**
et al
BERESFORD & Co.
2-5 Warwick Court
High Holborn
London WC1R 5DJ (GB)

(54) **Noise prevention in an ink jet printhead.**

(57) The present invention is directed to resolve the noise problem with the ink in an ink jet head without changing the substrate manufacturing process for the ink jet head, that is, increasing the cost on the manufacture, and without needs of disposing a noise countermeasure component on the side of the printer main device, or making the design change for the countermeasure. The present invention is characterized in that to prevent malfunction from arising by the noise, a hysteresis circuit 101 to provide different input data threshold values upon rising and falling is provided on an input portion of the signal for a drive control logic system such as a drive input signal for a shift register 404 and a latch circuit 403 on the same substrate as that of the heating elements 401, the driver 402 and the drive control logic circuit, utilizing a diffusion layer constituting a driver 402.





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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	PATENT ABSTRACTS OF JAPAN vol. 007 no. 016 (M-187) ,22 January 1983 & JP-A-57 173172 (TOKYO SHIBAURA DENKI KK) 25 October 1982, * abstract *	1,12,16, 22,23	B41J2/05
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A	--- EP-A-0 461 938 (CANON KK) 18 December 1991 * the whole document *	1-24	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	--- EP-A-0 488 806 (CANON KK) 3 June 1992 * the whole document *	1-24	B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 September 1995	Examiner Joosting, T
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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