

Title (en)  
Noise prevention in an ink jet printhead.

Title (de)  
Farbstrahl Druckkopf mit Störungsbeseitigung.

Title (fr)  
Tête d'impression par jet d'encre antiparasite.

Publication  
**EP 0641655 A3 19951122 (EN)**

Application  
**EP 94306488 A 19940902**

Priority  
JP 21978693 A 19930903

Abstract (en)  
[origin: EP0641655A2] 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. <IMAGE>

IPC 1-7  
**B41J 2/05**

IPC 8 full level  
**B41J 2/05** (2006.01); **B41J 2/16** (2006.01)

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**B41J 2/04541** (2013.01 - EP US); **B41J 2/04543** (2013.01 - EP US); **B41J 2/04573** (2013.01 - EP US); **B41J 2/0458** (2013.01 - EP US)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 424 (M - 761) 10 November 1988 (1988-11-10)
- [X] REAM, G.L.: "MULTIPLEX DRIVERS FOR A DROP-ON-DEMAND PRINT HEAD", IBM TECHNICAL DISCLOSURE BULLETIN, vol. 25, no. 11a, NEW YORK US, pages 5652 - 5655

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