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(11) **EP 0 749 834 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
23.07.1997 Bulletin 1997/30

(51) Int. Cl.<sup>6</sup>: **B41J 2/05**

(43) Date of publication A2:  
27.12.1996 Bulletin 1996/52

(21) Application number: **96109564.3**

(22) Date of filing: **14.06.1996**

(84) Designated Contracting States:  
**DE FR GB**

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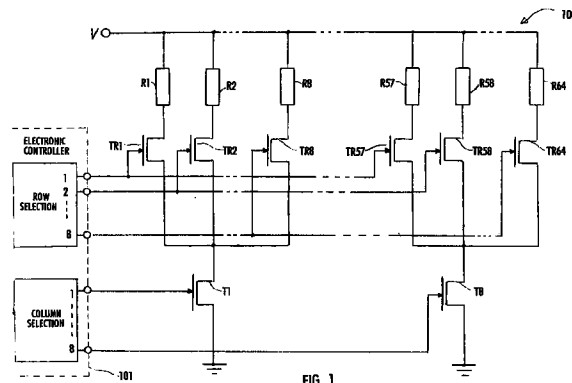
(30) Priority: **22.06.1995 IT TO950521**

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(54) **Ink-jet print head with integrated driving components**

(57) In an ink jet printhead (100) comprising ejection resistors (R<sub>i</sub>) and MOS transistors (TR<sub>i</sub>) for supplying the resistors the energy for ejecting droplets of ink, integrated on the same semiconductor substrate, a given range of values is defined for the ratio of the channel resistance (R<sub>c</sub>) during conduction of the MOS transistor to the resistance (R) of the ejection resistor so that the energetic operating point (E<sub>i</sub>) of the ejection resistor is automatically compensated for variations in temperature (T<sub>s</sub>) of the substrate, thereby assuring quality of printing and preventing ejection resistor conditions of operation liable to damage the resistor itself.



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EUROPEAN SEARCH REPORT

Application Number  
EP 96 10 9564

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	EP 0 558 221 A (XEROX CORP) 1 September 1993	1,10	B41J2/05
A	* abstract *	2-9,11,12	
	* column 6, line 49 - line 53 * * column 7, line 28 - line 50 * * column 8, line 15 - column 9, line 7 * * column 17, line 5 - line 8 * * figure 3 *		
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A	US 5 038 154 A (YAMAMOTO YUKIO ET AL) 6 August 1991	1,6	
	* abstract *		
	* column 2, line 36 - column 3, line 28 *		
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A	EP 0 401 440 A (XEROX CORP) 12 December 1990	1,2,5,6,8,9	
	* the whole document *		
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A	US 4 717 924 A (BANGS RICHARD G ET AL) 5 January 1988	1,6,8	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
	* abstract *		B41J
	* column 3, line 19 - line 38 * * claim 1 *		
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		16 May 1997	Didnot, B
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
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