

19



Europäisches Patentamt
European Patent Office
Office européen des brevets

11 Publication number:

0 112 000
A3

12

EUROPEAN PATENT APPLICATION

21 Application number: **83306265.6**

51 Int. Cl.⁴: **B 41 J 3/04**

22 Date of filing: **14.10.83**

30 Priority: **15.12.82 US 449820**

43 Date of publication of application: **27.06.84**
Bulletin 84/26

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

88 Date of deferred publication of search
report: **03.04.85 Bulletin 85/14**

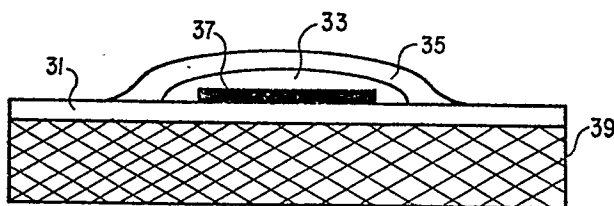
71 Applicant: **Hewlett-Packard Company, Mail
Stop 20 B-O 3000 Hanover Street, Palo Alto
California 94304 (US)**

72 Inventor: **Meyer, John David, 1359 Latham Street,
Mountain View California 94041 (US)**

74 Representative: **Oliver, Peter Anthony, Hewlett-Packard
Limited Nine Mile Ride Easthampstead, Wokingham,
Berkshire RG11 3LL (GB)**

54 **Thermal ink jet printer utilizing secondary ink vaporization.**

57 A thermal ink jet printer utilizes secondary vaporization of the ink to minimize cavitation damage to a printhead resistor. The printhead resistor comprises a resistive portion for heat generation and a storage portion for storing heat after the resistive portion cools and for presenting a surface having a temperature in excess of the ink boiling temperature when the initial ink vapor bubble collapses.



EP 0 112 000 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 83306265.6
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE ₃ APPLICATION (Int. Cl. ⁸)
A	<u>US - A - 4 337 467</u> (YANO) * Totality * --	1	B 41 J 3/04
A	<u>US - A - 4 335 389</u> (SHIRATO et al.) * Totality * --	1	
A	<u>DE - A1 - 3 035 439</u> (CANON) * Page 14, lines 6-36; page 15, lines 1-21; fig. 1C * ----	1	
			TECHNICAL FIELDS ₃ SEARCHED (Int. Cl. ⁸)
			B 41 J 3/00 D 01 D 15/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 17-12-1984	Examiner HANSI
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	

