

Title (en)  
THERMAL INK JET PRINTER UTILIZING SECONDARY INK VAPORIZATION

Publication  
**EP 0112000 A3 19850403 (EN)**

Application  
**EP 83306265 A 19831014**

Priority  
US 44982082 A 19821215

Abstract (en)  
[origin: EP0112000A2] 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.

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**B41J 3/04**

IPC 8 full level  
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CPC (source: EP)  
**B41J 2/14129** (2013.01); **B41J 2202/03** (2013.01)

Citation (search report)

- US 4337467 A 19820629 - YANO YASUHIRO
- US 4335389 A 19820615 - SHIRATO YOSHIAKI, et al
- DE 3035439 A1 19810409 - CANON KK [JP]

Cited by  
EP0458997A1

Designated contracting state (EPC)  
DE FR GB

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**EP 0112000 A2 19840627; EP 0112000 A3 19850403; JP S59109372 A 19840625**

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