

Title (en)

Acoustic ink printhead with apertured member and flowing ink.

Title (de)

Akustischer Tintendruckkopf mit einem gelöcherten Element und einem Tintenfluss.

Title (fr)

Tête d'impression acoustique à encre avec un élément perforé et un écoulement de l'encre.

Publication

**EP 0550148 A2 19930707 (EN)**

Application

**EP 92310809 A 19921126**

Priority

US 81572991 A 19911230

Abstract (en)

An acoustic ink printhead employing a flowing stream of ink past the ejectors to maintain a fresh ink supply at the ejector sites. An apertured plate-like member aligned with the ejector sites suppresses sideways droplet ejection components. A secondary pressure field using acoustic pulses or a pulsed heater provides dynamic liquid level control in addition to controlled switching of the ink droplets. <IMAGE>

IPC 1-7

**B41J 2/04**

IPC 8 full level

**B41J 2/045** (2006.01); **B41J 2/055** (2006.01); **B41J 2/14** (2006.01)

CPC (source: EP)

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Cited by

EP0683048A3; EP0739732A1; US5880759A; GB2351042A; GB2351042B; US6154235A; EP0621135A1; US5587727A; EP0869001A3; WO9632277A1; WO2011070079A1; WO9510415A1; WO9632279A1; WO9956958A1

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