

Title (en)

Improved drop generator utilizing damping for mode suppression

Title (de)

Tropfengenerator mit Dämpfungsmitteln zur Unterdrückung von Schwingungen

Title (fr)

Générateur amélioré de gouttellettes avec amortissement pour la suppression de vibration

Publication

**EP 0624469 B1 19980610 (EN)**

Application

**EP 94303109 A 19940428**

Priority

US 6139193 A 19930512

Abstract (en)

[origin: EP0624469A1] A print head device is used in continuous ink jet printing. The device comprises a resonator means and ink supply body having a solid formed of high acoustic Q material. Transducer means are attached to the resonator means. The transducer means are energized at a desired drop frequency. Damping means (38) are provided for suppression of undesired interfering vibration modes of the resonator means and ink supply body, to achieve a desired mode. The damping means (38) are placed in regions having relatively high stress in the interfering modes and relatively low stress in the desired mode. <IMAGE>

IPC 1-7

**B41J 2/025**; B41J 2/155

IPC 8 full level

**B41J 2/025** (2006.01); **B41J 2/155** (2006.01)

CPC (source: EP)

**B41J 2/025** (2013.01); **B41J 2/155** (2013.01)

Cited by

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