

Title (en)

Improved ultrasonic cleaning system in ink jet printing systems

Title (de)

Verbessertes Ultraschallreinigungssystem für Tintenstrahldrucksysteme

Title (fr)

Système de nettoyage à ultrason amélioré dans un système d'impression à jet d'encre

Publication

EP 1095776 B1 20061004 (EN)

Application

EP 00309006 A 20001013

Priority

US 43072199 A 19991029

Abstract (en)

[origin: EP1095776A1] The efficiency of ultrasonic cleaning of a printhead is improved by sweeping the stimulation drive frequency. The cleaning frequency is swept at a constant drive amplitude. The drive amplitude, lower frequency limit, and upper frequency limit are stored in the printhead memory. When the printhead is in an ultrasonic cleaning state, as determined by the state table, the print station varies the frequency at a fixed rate. The drive amplitude is kept constant during the ultrasonic cleaning state. <IMAGE>

IPC 8 full level

B41J 2/17 (2006.01); **B41J 2/175** (2006.01); **B41J 2/165** (2006.01)

CPC (source: EP)

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Cited by

US2016059495A1; EP1445103A1; CN115071277A; EP2783837A1; US8287101B2; US8277035B2; US8806751B2; US8534818B2; US8267504B2; US8562120B2; US8919930B2; WO2014154641A1; WO2011106290A1; US8523327B2

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