

Title (en)

Non-contact ultrasonic cleaning of ink jet printhead cartridges

Title (de)

Berührungslose Ultraschallreinigung von Tintenstrahldruckkopfkartuschen

Title (fr)

Nettoyage par ultrasons sans contact pour cartouches de tête d'impression à jet d'encre

Publication

**EP 0976563 A1 20000202 (EN)**

Application

**EP 99202364 A 19990719**

Priority

US 12754698 A 19980731

Abstract (en)

An ink jet printing apparatus for receiving an ink cartridge defining an orifice structure having at least one plate with a plurality of nozzles for ejecting ink droplets onto a receiver to form an image, cleaning the orifice structure of debris, including at least one non-contact actuatable ultrasonic transducer operatively associated with and spaced from the nozzles. The non-contact actuatable ultrasonic transducer produces ultrasonic sound waves which impinge upon the orifice structure and loosens debris. Wipers wipe the orifice structure to clean it of loosened debris. <IMAGE>

IPC 1-7

**B41J 2/165**

IPC 8 full level

**B05B 15/02** (2006.01); **B41J 2/165** (2006.01)

CPC (source: EP)

**B41J 2/16517** (2013.01); **B41J 2002/16567** (2013.01)

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0976563 A1 20000202**; JP 2000052565 A 20000222

DOCDB simple family (application)

**EP 99202364 A 19990719**; JP 20900399 A 19990723