

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)

Citation (applicant)

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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