Title (en)

Non-contact ultrasonic cleaning of ink jet printhead cartridges

Title (de)

Berührungslose Utraschallreinigung 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 actuable ultrasonic transducer operatively associated with and spaced from the nozzles. The non-contact actuable 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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