

Title (en)

Cleaning of printhead nozzles using vibration

Title (de)

Reinigen von Druckerdüsen unter Verwendung von Vibrationen

Title (fr)

Nettoyage de buses d'imprimantes utilisant des vibrations

Publication

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Application

EP 98307675 A 19980922

Priority

US 95593697 A 19971022

Abstract (en)

An invention for removing an agglomeration (82, 98) from an orifice (80, 100) of a printhead (54, 56, 102) used in a printing device (20) is disclosed. The invention may also be used to help prevent formation of agglomerations in printhead orifices. An embodiment of the invention is an apparatus that includes a source (36) that supplies a signal and a transducer (62, 88) coupled to the source (36) and configured to convert the signal from the source (36) into a vibrational waveform (84, 94, 134, 136) selected to remove the agglomeration (82, 98) from the orifice (80, 100) of the printhead (54, 56, 102). An embodiment of a method (150) in accordance with the present invention includes the steps of supplying a signal to a transducer coupled to the agglomeration (154), converting the signal into a vibrational waveform (154), and transmitting the vibrational waveform to the agglomeration to change a state of the agglomeration from a solid to a fluid to remove the agglomeration from the orifice of the printhead (154). <IMAGE>

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

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