

Title (en)
Ink jet recording system.

Title (de)
Farbstrahlaufzeichnungssystem.

Title (fr)
Système d'enregistrement à jet d'encre.

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Application
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Abstract (en)
An apparatus for liquid jet recording systems is described for providing drop-on-demand ink from a reservoir wherein the ink contained in the reservoir is a wax-based hot-melt ink which undergoes a liquid-solid phase transition. The apparatus includes an ink reservoir (10), a nozzle (12), and a piezoelectric transducer (14) connected to a source of electrical pulses to provide excitation to cause droplets of ink to be moved from the reservoir and out through the nozzle. A unique meltable wax-based ink (95 percent paraffin wax and 5 percent carnauba wax) capable of undergoing a liquid-to-solid phase transition is contained in the reservoir (10) which includes heaters (16) which are employed to impart thermal energy to the ink to carry out the phase change.

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