

Title (en)
FLUIDICALLY DAMPED PRINTHEAD

Title (de)
DRUCKKOPF MIT FLUIDDÄMPFUNG

Title (fr)
TÊTE D'IMPRESSION À AMORTISSEMENT FLUIDIQUE

Publication
EP 2129527 A1 20091209 (EN)

Application
EP 07718588 A 20070321

Priority
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Abstract (en)
[origin: WO2008113094A1] A printhead for an inkjet printer that has a printhead integrated circuit (68) with nozzles for ejecting ink, and a support structure (64, 176, 108) for supporting the printhead IC. The support structure has ink conduits (182) for supplying the nozzles with ink and a fluidic damper (200) containing gas for compression by pressure pulses in the ink within the ink conduits to dissipate the pressure pulse. Damping pressure pulses using gas compression can be achieved with small volumes of gas. This preserves a compact design while avoiding any nozzle flooding from transient spikes in the ink pressure.

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