

Title (en)
STURDY DROP GENERATOR

Title (de)
ROBUSTER TRÖPFCHENERZEUGER

Title (fr)
GENERATEUR DE GOUTTES ROBUSTE

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Application
EP 15714821 A 20150408

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Abstract (en)
[origin: WO2015155235A1] The invention relates to a device for forming and ejecting drops of an inkjet of a CIJ printing machine, said device comprising: a) a cavity for containing an ink and comprising an end provided with a nozzle (10) for ejecting drops of ink, and b) actuator means (21, 22, 32, 41, 42) in contact with the cavity. The invention relates to a device wherein the jet velocity modulation from the nozzle (10) has a value of $\Delta V_j(f_t)$ at the operating frequency, and does not vary, at a temperature equal to 15 °C and to 35 °C, in a frequency range of +5 kHz around the operating frequency f_t , outside the range between $0.25\Delta V_j(f_t)$ and $4 \Delta V_j(f_t)$. In order to achieve this, the acoustic impedance of the cavity is suitable for limiting the influence thereof on the jet velocity modulation.

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