

Title (en)

Liquid jet device and liquid jet driving method

Title (de)

Flüssigkeitsstrahlgerät und Flüssigkeitsstrahl-Ansteuerermethode

Title (fr)

Appareil de jets de liquide et procédé de commandement pour jets de liquide

Publication

EP 1164014 A1 20011219 (EN)

Application

EP 00112694 A 20000615

Priority

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Abstract (en)

At a dot cycle (T3), a dummy burst signal as well as a jet burst signal (26) are supplied to a vibration exciter (9a) to drive it so that the vibration exciter (9a) can provide liquid (30) with a periodic radiation pressure. The dummy burst signal is so determined as to jet no droplet (31) with a smaller number of pulses and so on. That allows a stable motion of the meniscus of ink (30), and it is thereby possible to stably jet the droplets (31). With this control provided is a technique to improve a shape of an ink surface from which the droplets (31) are created and stably jet the droplets (31) when a liquid jet unit (3) for jetting the droplets (31) from a liquid surface (93) is driven. <IMAGE>

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B41J 2/04

IPC 8 full level

B41J 2/14 (2006.01)

CPC (source: EP)

B41J 2/14008 (2013.01)

Citation (search report)

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