

Title (en)

FLUID DISCHARGE DEVICE AND CONTROL METHOD THEREFOR

Title (de)

FLÜSSIGKEITSAUSSTOSSVORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF D'ÉVACUATION DE FLUIDE ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication

EP 3121011 A4 20171206 (EN)

Application

EP 15765793 A 20150123

Priority

- JP 2014053520 A 20140317
- JP 2015051791 W 20150123

Abstract (en)

[origin: EP3121011A1] This liquid ejecting apparatus includes an ejecting head (20), a liquid reservoir, a pressurizing part for the liquid reservoir, a supply passage, and an outlet passage. The ejecting head (20) includes a liquid flow passage (22), liquid filling chambers (23, 24) in communication with the liquid flow passage (22), and a plurality of nozzles (44) provided for the respective liquid filling chambers (24). When the pressurizing part performs pressurization, with the communication through the outlet passage ensured, a liquid in the liquid reservoir flows through the supply passage and is supplied through a supply port (221) to the liquid flow passage (22). Part of the liquid supplied to the liquid flow passage (22) is drained through an outlet port (222). This produces flows of liquid different from those produced during the ejection of the liquid from the nozzles (44) and directed from the supply port (221) toward the outlet port (222). Thus, precipitable ingredients accumulated in the liquid flow passage (22) are efficiently dispersed. That is, the accumulation of the precipitable ingredients in the ejecting head (20) is efficiently eliminated in the liquid ejecting apparatus capable of controlling the ejection of the liquid from the nozzles (44).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [X] WO 2014010389 A1 20140116 - SEIREN CO LTD [JP]
- [A] JP 2008213281 A 20080918 - SHARP KK
- See references of WO 2015141274A1

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Designated contracting state (EPC)

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EP 3121011 A1 20170125; EP 3121011 A4 20171206; EP 3121011 B1 20210901; JP 2015174378 A 20151005; JP 6267023 B2 20180124; WO 2015141274 A1 20150924

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