

Title (en)

LIQUID DISCHARGE APPARATUS AND METHOD FOR FORMING TEST PATTERN IN THE LIQUID DISCHARGE APPARATUS

Title (de)

FLÜSSIGKEITSAUSSTOSSVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES TESTMUSTERS IN DER
FLÜSSIGKEITSAUSSTOSSVORRICHTUNG

Title (fr)

APPAREIL D'ÉVACUATION DE LIQUIDE ET PROCÉDÉ DE FORMATION D'UN MOTIF DE TEST DANS L'APPAREIL DE DÉCHARGE DE
LIQUIDE

Publication

EP 3827996 A1 20210602 (EN)

Application

EP 20209183 A 20201123

Priority

JP 2019216840 A 20191129

Abstract (en)

A liquid discharge apparatus (100, 100A, 100B) including a head (1a, 1b, 1c, 1d) having a nozzle row with nozzles in line, a conveyor (102, 108, 109) to convey a discharge target medium (101) in parallel with alignment of the nozzle row, and a controller (200, 200A) that controls a liquid discharge in association with conveyance of the discharge target medium (101). The controller (200, 200A) determines, with a test pattern, whether the nozzles of the head (1a, 1b, 1c, 1d) discharge a color liquid. When forming the test pattern without discharging droplets of the color liquid from adjacent nozzles simultaneously, the controller (200, 200A) discharges a droplet from a first nozzle of the adjacent nozzles, suspends the liquid discharge for a predetermined period of conveyance of the discharge target medium (101), and discharges a droplet from a second nozzle of the adjacent nozzles after the predetermined period.

IPC 8 full level

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CPC (source: EP)

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B41J 2029/3935 (2013.01)

Citation (search report)

- [XY] IT 201700046089 A1 20181104 - TECHNORES S R L
- [Y] US 2017066262 A1 20170309 - KIMURA YOSUKE [JP]
- [A] US 2005062782 A1 20050324 - ENDO HIRONORI [JP], et al
- [A] US 2428284 A 19470930 - KROGEL CHRISTOPHER J

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