

Title (en)

LIQUID DISCHARGE APPARATUS AND DISCHARGE CONTROL METHOD FOR LIQUID DISCHARGE APPARATUS

Title (de)

FLÜSSIGKEITSAUSSTOSSVORRICHTUNG UND STEUERUNGSVERFAHREN FÜR EINE FLÜSSIGKEITSAUSSTOSSVORRICHTUNG

Title (fr)

APPAREIL D'ÉVACUATION DE LIQUIDE ET PROCÉDÉ DE COMMANDE D'ÉVACUATION POUR APPAREIL D'ÉVACUATION DE LIQUIDE

Publication

EP 3827994 A1 20210602 (EN)

Application

EP 20208014 A 20201117

Priority

JP 2019216583 A 20191129

Abstract (en)

A liquid discharge apparatus (100) includes a conveyance unit (102), a discharge head (1), and a controller (401). The conveyance unit (102) is configured to convey a discharge-target medium. The discharge head (1) includes a plurality of nozzle rows (10a, 10b), each nozzle row of which includes a plurality of nozzles arranged in a row parallel to a conveyance direction of the discharge-target medium. The controller (401) is configured to control discharge of each nozzle row of the plurality of nozzle rows of the discharge head. The controller (401) is configured to assign a discharge operation for maintenance and a discharge operation for coloring to each nozzle row of the plurality of nozzle rows and cause the discharge head (1) to simultaneously perform the discharge operation for maintenance and the discharge operation for coloring.

IPC 8 full level

B41J 2/165 (2006.01); **B05B 5/14** (2006.01); **B41J 3/407** (2006.01); **D05C 11/24** (2006.01); **D06B 11/00** (2006.01)

CPC (source: EP)

B41J 2/16508 (2013.01); **B41J 2/16514** (2024.05); **B41J 2/16523** (2013.01); **B41J 2/16526** (2013.01); **B41J 3/4078** (2013.01); **B41J 3/543** (2013.01); **D05C 11/24** (2013.01); **D06B 11/0023** (2013.01)

Citation (applicant)

- JP S6241078 B2 19870901
- JP 2014233904 A 20141215 - SEIKO EPSON CORP
- JP 2010094950 A 20100430 - RICOH KK
- JP 2002200381 A 20020716 - BROTHER IND LTD

Citation (search report)

- [A] JP H06305129 A 19941101 - CANON KK
- [A] JP H06304359 A 19941101 - CANON KK
- [A] US 2011157287 A1 20110630 - KAWAKAMI TAKAYUKI [JP]

Cited by

CN114753063A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3827994 A1 20210602; JP 2021084392 A 20210603; JP 7415490 B2 20240117

DOCDB simple family (application)

EP 20208014 A 20201117; JP 2019216583 A 20191129