

Title (en)

LIQUID DISCHARGE APPARATUS AND LINEAR-MEDIUM PROCESSING SYSTEM

Title (de)

FLÜSSIGKEITSAUSSTOSSVORRICHTUNG UND LINEARMEDIUMVERARBEITUNGSSYSTEM

Title (fr)

APPAREIL D'ÉVACUATION DE LIQUIDE ET SYSTÈME DE TRAITEMENT À SUPPORT LINÉAIRE

Publication

EP 4101649 A1 20221214 (EN)

Application

EP 22177358 A 20220606

Priority

JP 2021096009 A 20210608

Abstract (en)

A liquid discharge apparatus includes a liquid discharge surface (12) and a control unit (500). The liquid discharge surface (12) has a plurality of liquid discharge ports (11). The control unit (500) generates a drive waveform and controls discharge of liquid from the plurality of liquid discharge ports based on the drive waveform. The control unit (500) includes a plurality of droplet-count distribution tables (507a) in which information on a number of times of droplets to be discharged from each one of the plurality of liquid discharge ports is set. The control unit (500) forms the drive waveform by using a droplet-count distribution table selected from the plurality of droplet-count distribution tables based on information on a use environment of the plurality of liquid discharge ports acquired before starting a discharge operation of the liquid.

IPC 8 full level

B41J 2/165 (2006.01); **B41J 3/407** (2006.01)

CPC (source: EP)

B41J 2/165 (2013.01); **B41J 2/16517** (2013.01); **B41J 2/16526** (2013.01); **B41J 2/16529** (2024.05); **D06B 11/0023** (2013.01); **B41J 3/4078** (2013.01); **B41J 2002/16573** (2013.01)

Citation (applicant)

JP 2018144337 A 20180920 - RICOH CO LTD

Citation (search report)

- [X] US 2013182034 A1 20130718 - ITO TAKASHI [JP]
- [X] US 2017203570 A1 20170720 - KATOH RYUUTA [JP], et al
- [A] US 2006109300 A1 20060525 - TSUBOI HITOSHI [JP], et al
- [A] US 2013182035 A1 20130718 - ITO TAKASHI [JP]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4101649 A1 20221214; **EP 4101649 B1 20240904**; JP 2022187817 A 20221220

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