

Title (en)

LIQUID DISCHARGE APPARATUS AND EMBROIDERY SYSTEM

Title (de)

FLÜSSIGKEITSAUSSTOSSVORRICHTUNG UND STICKSYSTEM

Title (fr)

APPAREIL D'ÉVACUATION DE LIQUIDE ET SYSTÈME DE BRODERIE

Publication

**EP 4155445 A1 20230329 (EN)**

Application

**EP 22197334 A 20220923**

Priority

JP 2021156507 A 20210927

Abstract (en)

A liquid discharge apparatus (2) includes a head (21) and an adjuster (22). The head (21) discharges liquid onto a linear medium based on image data. The adjuster (22) is disposed downstream from the head (21) in a feed direction of the linear medium and adjusts a feed speed of the linear medium. The adjuster (22) increases a feed distance of the linear medium in a case where the feed speed is lower than a predetermined value.

IPC 8 full level

**D05B 67/00** (2006.01); **B41J 3/407** (2006.01); **B41J 11/00** (2006.01); **D05C 11/24** (2006.01); **D06B 11/00** (2006.01)

CPC (source: EP)

**B41J 3/4078** (2013.01); **B41J 11/008** (2013.01); **D05B 67/00** (2013.01); **D05C 11/24** (2013.01); **D06B 11/0023** (2013.01)

Citation (applicant)

JP H07661 A 19950106 - TOKAI IND SEWING MACHINE, et al

Citation (search report)

- [X] US 2018216273 A1 20180802 - ALON MOSHE [IL], et al
- [X] WO 2020055303 A1 20200319 - COLOREEL GROUP AB [SE]
- [X] JP 2009273675 A 20091126 - DATSUKUSU KK
- [X] US 2018171520 A1 20180621 - EKLIND MARTIN [SE], et al
- [I] US 6189989 B1 20010220 - HIRABAYASHI HIROMITSU [JP], et al

Citation (third parties)

Third party : Anonymous

- WO 2016204687 A1 20161222 - INVENTECH EUROPE AB [SE]
- WO 2020055303 A1 20200319 - COLOREEL GROUP AB [SE]
- WO 2020055298 A1 20200319 - COLOREEL GROUP AB [SE]

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 4155445 A1 20230329**; **EP 4155445 B1 20240103**; JP 2023047540 A 20230406

DOCDB simple family (application)

**EP 22197334 A 20220923**; JP 2021156507 A 20210927