

Title (en)
LIQUID DISCHARGE APPARATUS

Title (de)
FLÜSSIGKEITSAUSGABEVORRICHTUNG

Title (fr)
APPAREIL DE DÉCHARGE DE LIQUIDE

Publication
EP 3162583 A1 20170503 (EN)

Application
EP 16195920 A 20161027

Priority
JP 2015213931 A 20151030

Abstract (en)
A liquid discharge apparatus includes a discharge unit that discharges liquid; a drive substrate for driving the discharge unit; a drive substrate accommodating unit that accommodates the drive substrate; a plurality of first air flow generating units that are provided in the drive substrate accommodating unit, and generate air flows; and an exhaust unit that is provided in the drive substrate accommodating unit, and exhausts a synthesis air flow of air flows generated by the plurality of first air flow generating units. With the liquid discharge apparatus of such a configuration, it is possible to suppress the accumulation of heat in the drive substrate accommodating unit.

IPC 8 full level
B41J 29/377 (2006.01)

CPC (source: CN EP)
B41J 2/01 (2013.01 - CN); **B41J 29/02** (2013.01 - EP); **B41J 29/377** (2013.01 - CN EP); **B41J 29/38** (2013.01 - EP)

Citation (applicant)
• JP H11115170 A 19990427 - CANON KK
• JP 2008093849 A 20080424 - CANON KK

Citation (search report)
• [X] JP 2009220499 A 20091001 - FUJIFILM CORP
• [XI] US 2014292859 A1 20141002 - ARUGA YOSHIHARU [JP]
• [XI] JP 2013226706 A 20131107 - FUJIFILM CORP
• [I] WO 2014162938 A1 20141009 - FUJIFILM CORP [JP] & US 2016089879 A1 20160331 - TANAKA HISAYUKI [JP]
• [IP] EP 3075556 A2 20161005 - SEIKO EPSON CORP [JP]
• [XPI] US 2016297221 A1 20161013 - KITAZAWA KOJI [JP], et al

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 3162583 A1 20170503; **EP 3162583 B1 20190710**; CN 106864034 A 20170620; CN 106864034 B 20200515; JP 2017081067 A 20170518; JP 6627425 B2 20200108

DOCDB simple family (application)
EP 16195920 A 20161027; CN 201610910824 A 20161019; JP 2015213931 A 20151030