

Title (en)
DISCHARGE HEAD AND DISCHARGE APPARATUS

Title (de)
AUSSTOSSKOPF UND AUSSTOSSVORRICHTUNG

Title (fr)
TÊTE DE DÉCHARGE ET APPAREIL DE DÉCHARGE

Publication
EP 4303017 A1 20240110 (EN)

Application
EP 23177969 A 20230607

Priority
• JP 2022107666 A 20220704
• JP 2023057974 A 20230331

Abstract (en)
A discharge head (100) includes: multiple nozzles (111) from each of which a liquid is discharged; multiple pressure chambers (121) respectively communicating with the multiple nozzles (111); multiple supply branch channels (152) each communicating with two or more of the multiple pressure chambers (121) to supply the liquid to the two or more of the pressure chambers (121); multiple collection branch channels (153) each communicating with two or more of the multiple pressure chambers (121) to collect the liquid from the two or more of the pressure chambers (121); a supply main channel (156) communicating with each of the multiple supply branch channels (152) to supply the liquid to the multiple supply branch channels (152); and a collection main channel (157) communicating with each of the multiple collection branch channels (153) to collect the liquid from the multiple collection branch channels (153).

IPC 8 full level
B41J 2/18 (2006.01); **B41J 2/14** (2006.01); **B41J 2/19** (2006.01)

CPC (source: EP)
B41J 2/14233 (2013.01); **B41J 2/18** (2013.01); **B41J 2/19** (2013.01); **B41J 2002/14419** (2013.01); **B41J 2002/14459** (2013.01); **B41J 2202/12** (2013.01)

Citation (applicant)
• JP 2017159561 A 20170914 - RICOH CO LTD
• JP 2019209595 A 20191212 - RICOH CO LTD

Citation (search report)
• [AD] JP 2017159561 A 20170914 - RICOH CO LTD
• [A] US 2010079511 A1 20100401 - MURAKAMI ATSUSHI [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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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