

Title (en)
LIQUID DISCHARGING DEVICE

Title (de)
FLÜSSIGKEITSAUSSTOSSVORRICHTUNG

Title (fr)
DISPOSITIF DE DÉCHARGE DE LIQUIDE

Publication
EP 3847027 A4 20220518 (EN)

Application
EP 19858086 A 20190829

Priority
• JP 2018164323 A 20180903
• JP 2019033912 W 20190829
• JP 2019107142 A 20190607

Abstract (en)
[origin: WO2020050126A1] A liquid discharging device is provided that includes: a first head(11) containing a pretreatment liquid, configured to discharge the pretreatment liquid onto a recording medium; a second head(12) disposed downstream of the first head(11) in a conveyance direction of the recording medium, configured to discharge an ink; an exhaust unit(14) disposed upstream of the first head(11) in the conveyance direction, configured to evacuate a gas present between the first head(11) and the recording medium from a downstream side to an upstream side in the conveyance direction; and a housing(30) internally containing the first head(11) and the second head(12), internally or externally containing the exhaust unit(14), and having an opening(32) downstream of the exhaust unit(14) in the conveyance direction.

IPC 8 full level
B41J 2/17 (2006.01); **B41J 2/01** (2006.01); **B41J 2/175** (2006.01); **B41J 2/21** (2006.01); **B41J 3/407** (2006.01); **B41J 11/00** (2006.01); **B41J 29/377** (2006.01); **D06P 5/30** (2006.01)

CPC (source: EP US)
B41J 2/17 (2013.01 - EP); **B41J 2/1714** (2013.01 - EP); **B41J 2/175** (2013.01 - EP US); **B41J 2/19** (2013.01 - EP US); **B41J 2/2114** (2013.01 - EP); **B41J 11/0015** (2013.01 - EP); **B41J 29/377** (2013.01 - EP); **D06P 5/002** (2013.01 - EP); **D06P 5/30** (2013.01 - EP); **B41J 3/4078** (2013.01 - EP)

Citation (search report)
• [X] US 2017341399 A1 20171130 - ARIMIZU HIROSHI [JP], et al
• [X] US 2003043230 A1 20030306 - KOITABASHI NORIBUMI [JP], et al
• [X] US 2006055730 A1 20060316 - ONO YOSHIHIKO [JP], et al
• [A] US 2013235121 A1 20130912 - GRAS XAVIER GROS [ES], et al
• See also references of WO 2020050126A1

Designated contracting state (EPC)
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