

Title (en)  
STAMP TYPE FLUID DISCHARGE APPARATUS

Title (de)  
STEMPELARTIGE FLÜSSIGKEITSAUSSTOSSVORRICHTUNG

Title (fr)  
APPAREIL DE DÉCHARGE DE FLUIDE DE TYPE TAMPON

Publication  
**EP 4011502 A1 20220615 (EN)**

Application  
**EP 20214233 A 20201215**

Priority  
KR 2020018281 W 20201214

Abstract (en)  
A stamp-type fluid discharge apparatus includes a container storing fluid, and a discharge unit coupled to the container and discharging the fluid stored in the container in a longitudinal direction of the container by a stamping operation in which the discharge unit is pressed after coming into contact with an object, wherein the discharge unit includes: a pumping part having a portion installed in the container to pump part of the fluid stored in the container by the stamping operation, and a discharge part connected to the pumping part and discharging a pumped fluid, and the discharge part includes a discharge hole formed in the length direction of the container, and a protruding wall protruding in a loop shape to surround the discharge hole and isolating the discharge hole and the object when coming into contact with the object.

IPC 8 full level  
**B05B 11/00** (2006.01); **B05B 1/14** (2006.01); **B05B 12/28** (2018.01); **B05B 15/14** (2018.01)

CPC (source: EP)  
**B05B 1/14** (2013.01); **B05B 11/0038** (2018.07); **B05B 11/1016** (2023.01); **B05B 12/28** (2018.01); **B05B 15/14** (2018.01)

Citation (applicant)  
JP 2016001779 A 20160107 - RICOH CO LTD

Citation (search report)

- [X] US 6158674 A 20001212 - HUMPHREYS RONALD O [US]
- [XY] JP 2020015539 A 20200130 - KAO CORP
- [Y] US 2012138699 A1 20120607 - PRISCHAK NICHOLAS JOSEPH [US]
- [X] WO 2009018041 A2 20090205 - WIPE AIDE LLC [US], et al
- [Y] US 9585459 B2 20170307 - KIM YOU-SEOB [KR], 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 4011502 A1 20220615**; WO 2022131385 A1 20220623

DOCDB simple family (application)  
**EP 20214233 A 20201215**; KR 2020018281 W 20201214