

Title (en)  
EJECTION DEVICE

Title (de)  
AUSSTOSSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ÉJECTION

Publication  
**EP 3797998 A1 20210331 (EN)**

Application  
**EP 20195730 A 20200911**

Priority  
JP 2019176659 A 20190927

Abstract (en)  
Provided is an ejection device that can achieve lowered ejection sound. An ejection device (2) includes a high-pressure circuit (29, 60, 160) and a low-pressure circuit (50, 70, 170) for supplying compressed air to air nozzles (22) through which the compressed air is ejected to a track switch unit (10), a first solenoid valve (24A), a second solenoid valve (24B), a third solenoid valve (53) and a fourth solenoid valve (54) provided in the high- or low-pressure circuit (29, 50, 60, 70, 160, 170) for controlling the pressure of the compressed air supplied to the air nozzles (22), and an ejection control device (20).

IPC 8 full level  
**B41J 2/175** (2006.01)

CPC (source: EP)  
**B41J 2/175** (2013.01)

Citation (applicant)  
JP H06240605 A 19940830 - HIGASHI NIPPON RYOKAKU TETSUDO, et al

Citation (search report)

- [X] US 8919917 B2 20141230 - KOIKE KAORU [JP], et al
- [X] EP 2826628 A1 20150121 - KONICA MINOLTA INC [JP]
- [X] US 2010231668 A1 20100916 - ITO HIROYUKI [JP]
- [X] US 2019009543 A1 20190110 - YOSHII KAZUYA [JP], et al
- [X] US 8256860 B2 20120904 - NAKAMURA HIROYUKI [JP]
- [X] EP 3461643 A1 20190403 - CANON KK [JP]
- [X] US 2016129689 A1 20160512 - GOMI MASAKI [JP], et al
- [X] WO 2018124228 A1 20180705 - NABTESCO CORP [JP]

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 3797998 A1 20210331; EP 3797998 B1 20230607**; FI 3797998 T3 20230711; JP 2021055275 A 20210408; JP 7333238 B2 20230824

DOCDB simple family (application)  
**EP 20195730 A 20200911**; FI 20195730 T 20200911; JP 2019176659 A 20190927