

Title (en)
BELT PROCESSING DEVICE

Title (de)
BANDVERARBEITUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE COURROIE TRANSPORTEUSE

Publication
EP 4316733 A1 20240207 (EN)

Application
EP 22781294 A 20220331

Priority
• JP 2021061326 A 20210331
• JP 2022016832 W 20220331

Abstract (en)
A belt processing device (10) moves a processing belt (34) relative to a workpiece (W) to process the workpiece. The belt processing device comprises a first roller (40) that is a processing roller, a second roller (32) that is a driven roller, a processing belt that is supported by the first roller and the second roller, a pneumatic motor (60) that rotates the first roller or the second roller, an elastic ring (44) that is installed on the outer circumference of the first roller, and an expansion prevention member (46) that is installed on the elastic ring and has a greater modulus of elasticity than the elastic ring.

IPC 8 full level
B24B 21/12 (2006.01); **B24B 47/14** (2006.01)

CPC (source: EP KR US)
B24B 21/12 (2013.01 - EP KR US); **B24B 47/14** (2013.01 - KR); **B24B 47/14** (2013.01 - EP)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4316733 A1 20240207; CN 116847947 A 20231003; JP 2022157222 A 20221014; JP 7142123 B1 20220926; KR 20230121148 A 20230817; TW 202243799 A 20221116; TW I812137 B 20230811; US 2024189957 A1 20240613; WO 2022211085 A1 20221006

DOCDB simple family (application)
EP 22781294 A 20220331; CN 202280015222 A 20220331; JP 2021061326 A 20210331; JP 2022016832 W 20220331; KR 20237025484 A 20220331; TW 111112619 A 20220331; US 202218553050 A 20220331