Title (en)

BUFFER WITH SELF-ADJUSTING STOP

Title (de)

PUFFER MIT SELBSTREGULIERENDEM ANSCHLAG

Title (fr)

TAMPON À BUTÉE AUTO-AJUSTABLE

Publication

EP 3786406 B1 20230830 (FR)

Application

EP 20184427 A 20200707

Priority

FR 1909494 A 20190829

Abstract (en)

[origin: JP2021032413A] To provide a buffer having a self-adjustable stopper capable of enabling simple assembling and quick mounting with a given structure.SOLUTION: A buffer (100) includes a buffer head portion (60), and a base portion (20) with a guiding contour, further includes a central main portion (40) having a groove cooperating with the contour, and has a self-adjustable stopper. In the buffer, the central main portion (40) is mounted on the base (20) by performing translational motion in a first direction (X) in a motion plane, and the central main portion (40) has the self-adjustable stopper at least partially receiving the buffer head portion. The buffer head portion is movable to the central main portion in a third direction (Z), and the buffer further includes a lock element (80) for closing the buffer head portion in the third direction in the central main portion, capable of performing the translational motion to close the central main portion in the first direction, on the base portion, and inserted to the central main portion in a second direction (Y).SELECTED DRAWING: Figure 1A

IPC 8 full level

E05F 5/02 (2006.01); E05F 7/04 (2006.01)

CPC (source: CN EP US)

E05F 5/022 (2013.01 - EP US); **E05F 5/025** (2013.01 - EP US); **E05F 5/06** (2013.01 - CN); E05F 5/06 (2013.01 - US); E05F 7/04 (2013.01 - EP US); E05Y 2600/10 (2013.01 - CN); E05Y 2600/12 (2013.01 - EP); E05Y 2600/56 (2013.01 - EP); E05Y 2900/50 (2013.01 - EP); E05Y 2900/531 (2013.01 - US)

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 validation state (EPC)

MA

DOCDB simple family (publication)

EP 3786406 A1 20210303; **EP 3786406 B1 20230830**; CN 112443228 A 20210305; CN 112443228 B 20240503; FR 3100265 A1 20210305; FR 3100265 B1 20211210; JP 2021032413 A 20210301; MA 54404 A 20211013; MA 54404 B1 20231130; PL 3786406 T3 20240610; US 11629543 B2 20230418; US 2021131158 A1 20210506

DOCDB simple family (application)

EP 20184427 A 20200707; CN 202010870183 A 20200826; FR 1909494 A 20190829; JP 2020135573 A 20200811; MA 54404 A 20200707; PL 20184427 T 20200707; US 202016998173 A 20200820