

Title (en)

DETERGENT BOX ASSEMBLY AND WASHING DEVICE

Title (de)

WASCHMITTELBEHÄLTERANORDNUNG UND WASCHVORRICHTUNG

Title (fr)

ENSEMBLE BOÎTE À DÉTERGENT ET DISPOSITIF DE NETTOYAGE

Publication

EP 3933094 B1 20230809 (EN)

Application

EP 21177349 A 20210602

Priority

CN 202010605914 A 20200629

Abstract (en)

[origin: EP3933094A1] A detergent box assembly and a washing device are provided. The detergent box assembly includes a housing mechanism (10), a material box mechanism (20), an ejection mechanism (30), and a locking mechanism (41-43). The ejection mechanism (30) is separately coupled to the material box mechanism (20) and the locking mechanism (41-43). The locking mechanism is separately coupled to the housing mechanism and the material box mechanism, and the locking mechanism includes a track (41), a track switch (42), and an actuating assembly (43). The track switch (42) includes a direction changing portion (421) and a guide portion (422). The guide portion (421) slides along the track (41). The direction changing portion (421) adjusts a deflection angle of the guide portion (422) in response to a sliding location of the guide portion on the track (41). The actuating assembly (43) is configured to be driven by the ejection mechanism to drive the material box mechanism (20) to move relative to the housing mechanism (10). The washing device includes the detergent box assembly.

IPC 8 full level

D06F 39/02 (2006.01)

CPC (source: CN EP)

D06F 39/02 (2013.01 - CN 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

DOCDB simple family (publication)

EP 3933094 A1 20220105; EP 3933094 B1 20230809; CN 113930946 A 20220114

DOCDB simple family (application)

EP 21177349 A 20210602; CN 202010605914 A 20200629