

Title (en)

LATCH MECHANISM FOR A CHILD-RESISTANT STORAGE CASE

Title (de)

VERRIEGELUNGSMECHANISMUS FÜR KINDERSICHEREN AUFBEWAHRUNGSBEHÄLTER

Title (fr)

MÉCANISME DE VERROUILLAGE POUR UN BOÎTIER DE STOCKAGE À L'ÉPREUVE DES ENFANTS

Publication

**EP 4257505 A1 20231011 (EN)**

Application

**EP 23166115 A 20230331**

Priority

US 202263327932 P 20220406

Abstract (en)

A latch mechanism for a child-resistant storage case has a seal bead between the lid and body of the storage case. The latch mechanism includes a latch tab extending downward from the lid that must be simultaneously pivoted inward and pressed upward to release the lid. The latch tab acts as a lever arm to locally deform the adjacent portions of the lid and seal, and thereby more easily release the seal when the latch tab is pressed upward.

IPC 8 full level

**B65D 43/16** (2006.01); **B65D 50/04** (2006.01)

CPC (source: EP US)

**B65D 43/16** (2013.01 - US); **B65D 43/162** (2013.01 - EP); **B65D 50/046** (2013.01 - EP US); **B65D 2215/02** (2013.01 - US); **B65D 2251/1025** (2013.01 - EP); **B65D 2543/00629** (2013.01 - US)

Citation (applicant)

- US 8648264 B2 20140211 - MASUMOTO YUTAKA [JP]
- US 7721907 B2 20100525 - KEUNG WING-KWONG [US]

Citation (search report)

- [XAI] US 2012211493 A1 20120823 - DAGGETT BARRY [US]
- [X] US 2018057226 A1 20180301 - AUSTIN KERRY [US], et al
- [X] FR 2587880 A1 19870403 - CRI SA [FR]
- [X] US 4746008 A 19880524 - HEVERLY KAREN H [US], 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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4257505 A1 20231011**; CA 3195247 A1 20231006; US 2023322450 A1 20231012

DOCDB simple family (application)

**EP 23166115 A 20230331**; CA 3195247 A 20230405; US 202318129329 A 20230331