

Title (en)  
DRINKING BOTTLE

Title (de)  
TRINKFLASCHE

Title (fr)  
BOUTEILLE À BOIRE

Publication  
**EP 4005431 A1 20220601 (EN)**

Application  
**EP 20210592 A 20201130**

Priority  
EP 20210592 A 20201130

Abstract (en)  
Smart bottles (10) with a bottle body (12) and a closure unit (20) are known from the prior art. A closure unit (20) is provided having a base (30) and a hinged lid (80) pivotally attached to the base (30), said hinged lid (80) being secured in a closed position by a retaining portion (42) of the base (30). A first button (44) is provided on the base (30), by means of which the retaining portion (42) can be pressed into a release position releasing the hinged lid (80). Furthermore, the closure unit (20) has a locking system (50) with a second button (54). Said second button (54) is coupled to a push-in lock (56) which can be switched between a locked state and an unlocked state by means of the second button (54), wherein the first button (44) being locked in the locked state.

IPC 8 full level  
**A45F 3/16** (2006.01); **B65D 47/08** (2006.01); **B65D 50/06** (2006.01)

CPC (source: EP US)  
**A45F 3/16** (2013.01 - EP); **A45F 3/18** (2013.01 - US)

Citation (search report)

- [X] CN 110664192 A 20200110 - SONISON BABY PRODUCTS CO LTD
- [X] US 2013319966 A1 20131205 - LANE MARVIN [US]
- [A] US 2016000245 A1 20160107 - SIMS RANDY [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 extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4005431 A1 20220601**; US 2024000218 A1 20240104; WO 2022111962 A1 20220602

DOCDB simple family (application)  
**EP 20210592 A 20201130**; EP 2021080532 W 20211103; US 202118254964 A 20211103