

Title (en)  
FILLING UNIT

Title (de)  
FÜLLEINHEIT

Title (fr)  
UNITÉ DE REMPLISSAGE

Publication  
**EP 4303133 A1 20240110 (EN)**

Application  
**EP 23180859 A 20230622**

Priority  
IT 202200014116 A 20220704

Abstract (en)  
Described herein is a filling unit (10), in particular for filling containers with a liquid, preferably cartridges for electronic cigarettes. The filling unit comprises:- a nozzle (6) for dispensing a product;- a supporting base (2) having at least one housing seat (4) configured to receive the nozzle (6);- a blocking member (24) mobile between an operative position, in which said blocking member (24) prevents extraction of said nozzle (6) from said housing seat (4), and an inoperative position, in which said nozzle (6) can be extracted from said housing seat (4); and- a fastening member (26) for fixing said blocking member (24) in said operative position, said fastening member (26) comprising a gripping portion (26A) provided for manual command without the use of tools of said fastening member (26).

IPC 8 full level  
**B65B 3/04** (2006.01); **B65B 29/00** (2006.01); **B65B 39/00** (2006.01); **B65B 59/00** (2006.01); **B65B 59/04** (2006.01); **B65B 65/00** (2006.01); **B65B 67/00** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP US)  
**B65B 3/003** (2013.01 - US); **B65B 3/04** (2013.01 - EP); **B65B 29/00** (2013.01 - EP); **B65B 39/00** (2013.01 - EP); **B65B 39/12** (2013.01 - US); **B65B 59/00** (2013.01 - EP); **B65B 59/04** (2013.01 - EP); **B65B 65/00** (2013.01 - EP); **B65B 67/00** (2013.01 - EP)

Citation (search report)  
• [Y] US 2003178097 A1 20030925 - WILLSTUMPF ERICH [DE]  
• [Y] DE 102020111147 A1 20201119 - G F S P A [IT]

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 4303133 A1 20240110**; US 2024002090 A1 20240104

DOCDB simple family (application)  
**EP 23180859 A 20230622**; US 202318345438 A 20230630