

Title (en)
TUBE VESSEL WITH WIDE NOZZLE

Title (de)
ROHRGEFÄSS MIT BREITER DÜSE

Title (fr)
RÉCIPIENT TUBULAIRE À BUSE LARGE

Publication
EP 3375321 A1 20180919 (EN)

Application
EP 17181656 A 20170717

Priority
KR 20170033057 A 20170316

Abstract (en)
The present disclosure relates to a tube vessel with a wide nozzle, more particularly a tube vessel with a wide nozzle in which an outer cap is rotatably coupled to an inner cap, and in a process of the outer cap being screw-coupled to a tube neck, the inner cap descends as being pressurized by the outer cap; thereby, a wide nozzle gets sealed through an opening/closing protrusion of the inner cap. Therefore, in a process of being screw-coupled or being released from a screw coupling, smoothly the wide nozzle performs opening/closing, such that it is possible to provide user convenience.

IPC 8 full level
A45D 34/00 (2006.01); **A45D 40/26** (2006.01); **B65D 51/18** (2006.01)

CPC (source: CN EP KR US)
A45D 34/00 (2013.01 - EP US); **A45D 40/26** (2013.01 - EP US); **B65D 35/04** (2013.01 - US); **B65D 35/14** (2013.01 - US); **B65D 35/38** (2013.01 - CN EP KR US); **B65D 35/44** (2013.01 - KR); **B65D 41/04** (2013.01 - KR); **B65D 41/0407** (2013.01 - US); **B65D 47/2037** (2013.01 - CN); **B65D 51/18** (2013.01 - US); **B65D 35/10** (2013.01 - EP US); **B65D 47/2037** (2013.01 - US); **B65D 2251/0015** (2013.01 - EP US); **B65D 2251/0075** (2013.01 - EP US); **B65D 2251/0078** (2013.01 - EP US)

Citation (search report)

- [X] EP 0829211 A1 19980318 - OREAL [FR]
- [X] GB 804936 A 19581126 - CIBA LTD
- [A] CN 201961647 U 20110907 - GUANGDONG ORGANIC SILICON ENGINEERING AND TECHNOLOGY RES AND DEV CT
- [X] WO 2014032866 A1 20140306 - OREAL [FR]

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 3375321 A1 20180919; CN 108622525 A 20181009; JP 2018154405 A 20181004; KR 101755654 B1 20170710; US 2018265262 A1 20180920; WO 2018169196 A1 20180920

DOCDB simple family (application)
EP 17181656 A 20170717; CN 201710428760 A 20170608; JP 2017138160 A 20170714; KR 20170033057 A 20170316; KR 2018000790 W 20180117; US 201715613400 A 20170605