

## Title (en)

TRANSFER DEVICE FOR MEDIA, COMPRISING A NON-RELEASABLY LOCKABLE ADAPTER

## Title (de)

TRANSFERVORRICHTUNG FÜR MEDIEN MIT UNLÖSBAR VERRASTBAREM ADAPTER

## Title (fr)

DISPOSITIF DE TRANSFERT DE FLUIDES AVEC UN ADAPTATEUR VERROUILLABLE DE MANIÈRE NON-DÉTACHABLE

## Publication

**EP 3122310 B1 20210825 (DE)**

## Application

**EP 15712326 A 20150320**

## Priority

- DE 102014104281 A 20140327
- EP 2015055922 W 20150320

## Abstract (en)

[origin: CA2948042A1] The invention relates to a transfer device (10) for removing or transferring a medium out of or into a bottle (20) having a bottle neck (34) that can be closed by means of a closure (42), comprising a first adapter part (12), which can be positioned on the bottle, and a second adapter part (14), which interacts with the first adapter part, can be displaced in the longitudinal direction of the bottle, and has a conducting element (50) for piercing the closure. After the second adapter part (14) has been displaced along the first adapter part in the direction of the closure (42) and the second adapter part has been locked, the first adapter part (12) is non-releasably fastened to or around the bottle (20).

## IPC 8 full level

**A61J 1/16** (2006.01); **A61J 1/20** (2006.01)

## CPC (source: EP IL KR US)

**A61J 1/1406** (2013.01 - IL US); **A61J 1/16** (2013.01 - EP IL KR US); **A61J 1/201** (2015.05 - IL US); **A61J 1/2013** (2015.05 - IL); **A61J 1/2051** (2015.05 - EP IL KR US); **A61J 1/2055** (2015.05 - EP IL KR US); **A61J 1/2065** (2015.05 - EP IL KR US); **A61J 1/2089** (2013.01 - EP IL KR US); **A61J 1/1406** (2013.01 - KR); **A61J 1/201** (2015.05 - KR); **A61J 1/2013** (2015.05 - EP KR US)

## Citation (examination)

- DE 102005006771 A1 20060817 - DISETRONIC LICENSING AG [CH]
- US 5364386 A 19941115 - FUKUOKA HISAJI [JP], et al
- WO 2007101798 A2 20070913 - NOVO NORDISK AS [DK], et al
- US 5503302 A 19960402 - DEJONGE STUART W [US]
- EP 0335378 A2 19891004 - NISSHO KK [JP], et al
- EP 0614653 A2 19940914 - SUNTORY LTD [JP], et al
- US 6537263 B1 20030325 - ANEAS ANTOINE [FR]
- EP 0311787 A2 19890419 - ERBA CARLO SPA [IT]
- DE 102012113002 A1 20140403 - MEDAC KLINISCHE SPEZIALPRAEP [DE]
- US 2013199669 A1 20130808 - MOY YEI F [US], et al
- WO 2007140238 A2 20071206 - BAYER HEALTHCARE LLC [US], et al
- DE 3503460 A1 19850905 - ERBA FARMITALIA [IT]
- DE 102005006771 A1 20060817 - DISETRONIC LICENSING AG [CH]
- US 5364386 A 19941115 - FUKUOKA HISAJI [JP], et al
- WO 2007101798 A2 20070913 - NOVO NORDISK AS [DK], et al
- US 5503302 A 19960402 - DEJONGE STUART W [US]
- EP 0335378 A2 19891004 - NISSHO KK [JP], et al
- EP 0614653 A2 19940914 - SUNTORY LTD [JP], et al
- US 6537263 B1 20030325 - ANEAS ANTOINE [FR]
- EP 0311787 A2 19890419 - ERBA CARLO SPA [IT]
- DE 102012113002 A1 20140403 - MEDAC KLINISCHE SPEZIALPRAEP [DE]
- US 2013199669 A1 20130808 - MOY YEI F [US], et al
- WO 2007140238 A2 20071206 - BAYER HEALTHCARE LLC [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 MK MT NL NO PL PT RO RS SE SI SK SM TR

## DOCDB simple family (publication)

**DE 102014104281 B3 20150910**; AU 2015238584 A1 20160929; AU 2015238584 B2 20190124; CA 2948042 A1 20151001; CA 2948042 C 20200114; DK 3122310 T3 20211122; EA 033927 B1 20191210; EA 201691942 A1 20161230; EP 3122310 A2 20170201; EP 3122310 B1 20210825; EP 3895680 A1 20211020; ES 2898630 T3 20220308; IL 248041 A0 20161130; IL 248041 B 20201029; IL 274249 A 20200630; IL 274249 B 20210531; IL 278278 B 20210930; IL 282376 A 20210630; IL 282376 B 20220801; JP 2017509466 A 20170406; JP 2021100583 A 20210708; JP 2023164810 A 20231114; JP 7046601 B2 20220404; KR 102115719 B1 20200529; KR 102270200 B1 20210630; KR 102424269 B1 20220725; KR 102581612 B1 20230925; KR 20160138162 A 20161202; KR 20200059321 A 20200528; KR 20210080602 A 20210630; KR 20220121841 A 20220901; LT 3122310 T 20211227; PL 3122310 T3 20220314; PT 3122310 T 20211123; UA 117960 C2 20181025; US 10716736 B2 20200721; US 12102597 B2 20241001; US 2017007501 A1 20170112; US 2020297582 A1 20200924; WO 2015144581 A2 20151001; WO 2015144581 A3 20151119

## DOCDB simple family (application)

**DE 102014104281 A 20140327**; AU 2015238584 A 20150320; CA 2948042 A 20150320; DK 15712326 T 20150320; EA 201691942 A 20150320; EP 15712326 A 20150320; EP 2015055922 W 20150320; EP 21176118 A 20150320; ES 15712326 T 20150320; IL 24804116 A 20160926; IL 27424920 A 20200426; IL 27827820 A 20201025; IL 28237621 A 20210418; JP 2017501482 A 20150320; JP 2021030275 A 20210226; JP 2023129928 A 20230809; KR 20167029252 A 20150320; KR 20207014471 A 20150320; KR 20217019297 A 20150320; KR 20227025080 A 20150320; LT 15055922 T 20150320; PL 15712326 T 20150320; PT 15712326 T 20150320; UA A201610739 A 20150320; US 201515125687 A 20150320; US 202016895323 A 20200608