

Title (en)
DEVICE FOR DISPERSING A FLUID

Publication
EP 0311863 B1 19930107 (DE)

Application
EP 88116290 A 19881001

Priority
DE 3734306 A 19871010

Abstract (en)
[origin: EP0311863A2] In a dispersing device (1), in particular for single use, the entire pump stroke (11), which is to be carried out only once, is divided into at least two sub-strokes (12, 13) by a limiting device (24) which has for the end of each sub-stroke a stop (25) which can be overcome in the manner of a resilient catch. All the parts of the limiting device (24) are located in such a way that the guiding of the pump piston (6) of the thrust piston pump (4) on the piston path (7) is in no way impaired. At the end of the last sub-stroke (13), the pump cylinder (5) which can be mounted on the pump piston (6) as a separate vessel is blocked in a positively engaging manner with respect to the other dispersing device (1) using a pull-off securing element (40) so that the inside of the pump cylinder (5) is no longer accessible. <IMAGE>

IPC 1-7
A61M 11/00; B05B 11/02

IPC 8 full level
A61M 11/00 (2006.01); **B05B 11/00** (2006.01); **B05B 11/02** (2006.01); **B65D 83/76** (2006.01)

CPC (source: EP US)
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Cited by
DE4027672A1; EP0443192A3; DE4008068A1; US5427280A; FR2761281A1; DE19700437B4; US5893484A; FR2678906A1; EP0580897A1; EP0827782A3; CN104470567A; US5431155A; US5307953A; DE19940236A1; FR2668082A1; EP0477563A3; US5437397A; US5171219A; WO2012156391A1; WO2013139655A1; WO2008025953A1; WO9300172A1; WO9842447A1; WO9200812A1; WO9830335A1; EP1219356A2; WO2017167768A1; US10940274B2; US6257457B1; WO2021188564A1; WO2022212365A1; EP0753354A2; US8342370B2; US11759567B2; WO2017149054A1; WO2019121924A1; WO02074336A2; EP2269639A2; EP2281573A2; WO2017216286A1; WO2012055951A2; EP3560511A2; EP1078694A2; US6446839B1; WO2011051445A1; EP2455101A2; US11564896B2; US11744812B2; EP2422810A1; WO2019121926A1; US11400241B2; US11833291B2; WO2021142238A1; WO2023274860A1; EP0486894B1; WO2007068907A2; EP2364720A1; EP2364721A1; EP2364722A1; EP2364723A1; EP2364724A1; EP2397153A1; EP3888797A1; FR3108536A1; US11786676B2

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