

Title (en)
Tube closure

Title (de)
Tubenverschluss

Title (fr)
Fermeture de tube

Publication
EP 0831031 A3 20000322 (DE)

Application
EP 97112687 A 19970724

Priority
DE 29616574 U 19960924

Abstract (en)
[origin: EP0831031A2] The tube has a top with a cylindrical lower part (1). This has an outlet hole (2) and recesses (4) on its periphery. The recesses extend over a quarter of its circumference at an angle of 85 degrees -60 degrees , preferably 80 degrees -70 degrees , to the lower part's axis. A cap has projections around its periphery which fit into the recesses when put onto the lower part. Preferably the recesses are branch channels with an open end (4a) accessible in the direction of the end face and whose closed end (4b) is further from the end face.

IPC 1-7
B65D 41/04

IPC 8 full level
B65D 41/04 (2006.01)

CPC (source: EP)
B65D 41/0471 (2013.01)

Citation (search report)
• [X] US 5320233 A 19940614 - WELCH BING [US]
• [X] US 4591063 A 19860527 - GEIGER REINOLD [FR]
• [X] US 4373641 A 19830215 - BANICH SR JOHN N, et al
• [X] US 3165220 A 19650112 - HAYNES DON A
• [X] DE 2145605 A1 19720413
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Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 29616574 U1 19961114; EP 0831031 A2 19980325; EP 0831031 A3 20000322

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