

Title (en)  
DEVICE FOR FILLING CONTAINERS

Title (de)  
VORRICHTUNG ZUM FÜLLEN VON BEHÄLTERN

Title (fr)  
DISPOSITIF DE REMPLISSAGE DE RÉCIPIENTS

Publication  
**EP 4321473 A1 20240214 (EN)**

Application  
**EP 23189999 A 20230807**

Priority  
IT 202200017226 A 20220811

Abstract (en)  
A device (1) for filling containers (100) with a preferably liquid filling product, or a product with two phases, installable on a filling machine (200), wherein each container (100) is positioned below the filling device (1), said device (1) comprising from the top down a doser (50), a tap (60) and a nozzle (10) located in the proximity of the container (100), wherein through the tap (60), a corresponding amount of filling product is introduced into the doser (50) and subsequently transferred to the nozzle (10), which comprises an outlet mouth (11) from which the product exits to be introduced into the container (100), characterized in that said nozzle (10) comprising an outer body (30) and an inner body (20) that is in fluid communication with the doser (50), said nozzle (10) is configured to allow/prevent the passage of the product to the container (100) by a relative lifting/lowering motion between the outer body (30) and the inner body (20), wherein said relative lifting/lowering motion occurs by a mechanical cam (40) having a profile adapted to define a specific law of motion during said relative lifting/lowering motion.

IPC 8 full level  
**B67C 3/20** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP)  
**B67C 3/206** (2013.01); **B67C 3/26** (2013.01); **B67C 3/2608** (2013.01)

Citation (search report)  
• [X] US 4606382 A 19860819 - BILLER VICTOR [US], et al  
• [A] GB 2214612 A 19890906 - OCME SPA [IT]

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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KH MA MD TN

DOCDB simple family (publication)  
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