

Title (en)  
APPLICATION DEVICE

Publication  
**EP 0249042 B1 19910724 (DE)**

Application  
**EP 87106937 A 19870513**

Priority  
DE 3616116 A 19860513

Abstract (en)  
[origin: US4993860A] An applying device is described comprising a container 10 for liquid applying medium the filling opening 40 thereof is provided with an applying element 34. A ball 40 is located in the outlet opening 38 partially extending beyond the outlet opening. The outlet opening is connected to the internal space 20 of the reservoir 10 through a central hollow space 36. A spring element 48 located in the central hollow space 36 of the applying element 34 urges the ball 40 against the outlet opening for a closure thereof. The spring element 48 includes a rod-like portion 50 which is adapted to be laterally resiliently arched if a pressure is exerted on the ball. The rod-like portion 50 of the spring element 48 engages the ball 40 by an end portion. The opposite second end portion of the spring element 48 is secured in the central hollow space 36 of the applying element 34.

IPC 1-7  
**A45D 34/04**; **B43K 7/10**; **B65D 47/42**

IPC 8 full level  
**A45D 34/04** (2006.01); **B05C 17/00** (2006.01); **B43K 5/18** (2006.01); **B43K 7/10** (2006.01); **B65D 47/42** (2006.01)

CPC (source: EP US)  
**A45D 34/041** (2013.01 - EP US); **B43K 5/1845** (2013.01 - EP US); **B43K 7/10** (2013.01 - EP US)

Citation (examination)  
US 1714030 A 19290521 - LE BOEUF FRANK

Cited by  
KR20010100147A; EP0548600A1

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AT BE CH ES FR GB GR IT LI LU NL SE

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**US 4993860 A 19910219**; AT E65463 T1 19910815; DE 3616116 A1 19871119; DE 3616116 C2 19881208; EP 0249042 A1 19871216; EP 0249042 B1 19910724; JP S6328471 A 19880206

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