

Title (en)  
Refill cartridge with sleeve for an adhesive stick

Title (de)  
Nachfüllpatrone mit Muffe für einen Klebestift

Title (fr)  
Cartouche de recharge avec manchon pour bâton adhésif

Publication  
**EP 0702913 A3 19990310 (DE)**

Application  
**EP 95116099 A 19911106**

Priority  
• DE 4036396 A 19901115  
• DE 4112432 A 19910416  
• DE 4120969 A 19910625  
• EP 91919143 A 19911106

Abstract (en)  
[origin: WO9208388A1] A method is to be provided for a stick (14) of deodorant, adhesive, lipstick, releasing agent, shaving soap or colour pen, for example, optionally closable by a cap and surrounded by a casing (15) open at at least one end, with a piston (5, 11, 19) movable axially longitudinally along the casing (15) for dispensing a preferably brushable compound inside the casing, which allows the essential, non-consumable parts of the stick (14) to be repeatedly re-used. This is achieved by means of a refill (1, 1a, 1b, 1c, 1d, 1e) which consists essentially of a moulding (2) of the preferably brushable compound (23) shaped to fit the free internal volume and internal shape of the casing (15).

IPC 1-7  
**A45D 40/04**; **A45D 40/16**

IPC 8 full level  
**A45D 40/02** (2006.01); **A45D 40/04** (2006.01); **A45D 40/16** (2006.01); **A45D 40/20** (2006.01); **B43M 11/00** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP)  
**A45D 40/04** (2013.01); **A45D 40/16** (2013.01)

Citation (search report)  
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Designated contracting state (EPC)  
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**WO 9208388 A1 19920529**; AT E156977 T1 19970915; AT E213395 T1 20020315; CA 2096440 A1 19920516; CA 2096440 C 20020723; CA 2269124 A1 19920516; CA 2269124 C 20010619; DE 59108831 D1 19970925; DE 59109227 D1 20020328; DE 9117141 U1 19960418; DK 0557323 T3 19980406; DK 0702913 T3 20020603; EP 0557323 A1 19930901; EP 0557323 B1 19970820; EP 0702913 A2 19960327; EP 0702913 A3 19990310; EP 0702913 B1 20020220; ES 2104729 T3 19971016; ES 2172546 T3 20021001; GR 3025366 T3 19980227; JP 2000025853 A 20000125; JP 2003205979 A 20030722; JP 2005096868 A 20050414; JP 3364447 B2 20030108; JP 3583126 B2 20041027; JP 3641262 B2 20050420; JP H06502372 A 19940317

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