

Title (en)  
Product dispenser

Title (de)  
Spender für Medien

Title (fr)  
Distributeur de produit

Publication  
**EP 0901835 A3 20000329 (DE)**

Application  
**EP 98116486 A 19980901**

Priority  
DE 19739990 A 19970911

Abstract (en)  
[origin: EP0901835A2] The piston stroke is selectively limited by adjustable shoulders on the piston.

IPC 1-7  
**B05B 11/00**

IPC 8 full level  
**B05B 11/00** (2006.01); **B05B 15/00** (2006.01); **B05B 15/30** (2018.01); **B65D 83/76** (2006.01)

CPC (source: EP KR US)  
**B05B 11/00444** (2018.07 - EP US); **B05B 11/1004** (2023.01 - EP KR US); **B05B 11/1007** (2023.01 - EP KR US);  
**B05B 11/1016** (2023.01 - EP KR US); **B05B 11/1061** (2023.01 - EP KR US); **B05B 11/107** (2023.01 - EP KR US);  
**B05B 11/1074** (2023.01 - EP KR US); **B05B 11/1097** (2023.01 - EP KR US); **B05B 15/30** (2018.01 - EP US)

Citation (search report)  
• [X] FR 2573819 A1 19860530 - AEROSOL INVENTIONS DEV [CH]  
• [X] FR 2714119 A1 19950623 - STEP [FR]  
• [X] US 4081111 A 19780328 - SANDOW KIYOSHI  
• [X] FR 2742812 A1 19970627 - VALOIS [FR]  
• [X] DE 4115774 A1 19921119 - REINHOLD LANGGUTH OHG [DE]

Cited by  
WO2007096049A3; WO2007096049A2; US8382010B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
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DE 59812804 D1 20050623; JP 4327277 B2 20090909; JP H11156253 A 19990615; KR 19990029694 A 19990426; US 6059151 A 20000509

DOCDB simple family (application)  
**EP 98116486 A 19980901**; BR 9803418 A 19980910; DE 19739990 A 19970911; DE 59812804 T 19980901; JP 27426798 A 19980911;  
KR 19980037397 A 19980910; US 14836098 A 19980904