

Title (en)  
PISTON-STOPPER DISPENSER

Title (de)  
KOLBENSTOPFENSPENDER

Title (fr)  
DISTRIBUTEUR A PISTON-BOUCHON

Publication  
**EP 1619978 A1 20060201 (FR)**

Application  
**EP 04739144 A 20040506**

Priority  
• EP 2004004834 W 20040506  
• FR 0305667 A 20030507

Abstract (en)  
[origin: WO2004098346A1] The invention relates to a dispenser for a liquid cosmetic product, especially comprising a reservoir (10), an internal piston (3), and an applicator end piece (1) provided with an end valve (2). Said dispenser is characterised in that the reservoir (10) is defined inside the end piece, at a first end, by the valve (2), and, at the other end, by the piston (3), said piston forming a stopper screwed onto a threaded axial rod (41) fixed to a base (4) which is rotatably connected to the end piece (1).

IPC 1-7  
**A45D 34/04; B65D 83/00**

IPC 8 full level  
**A45D 34/04** (2006.01)

CPC (source: EP US)  
**A45D 34/04** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004098346A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2854554 A1 20041112; FR 2854554 B1 20060901**; BR PI0410687 A 20060620; CA 2524275 A1 20041118; CN 1784156 A 20060607;  
EP 1619978 A1 20060201; JP 2006525051 A 20061109; MX PA05011914 A 20060217; US 2006124670 A1 20060615;  
WO 2004098346 A1 20041118

DOCDB simple family (application)  
**FR 0305667 A 20030507**; BR PI0410687 A 20040506; CA 2524275 A 20040506; CN 200480012197 A 20040506; EP 04739144 A 20040506;  
EP 2004004834 W 20040506; JP 2006505390 A 20040506; MX PA05011914 A 20040506; US 26838205 A 20051107