

Title (en)  
POWDER INHALATOR

Title (de)  
PULVERINHALATOR

Title (fr)  
INHALATEUR DE POUDRE

Publication  
**EP 1590026 A1 20051102 (DE)**

Application  
**EP 03785906 A 20031220**

Priority  

- EP 0314692 W 20031220
- DE 10300982 A 20030114

Abstract (en)  
[origin: WO2004062716A1] The invention relates to powder inhalators whose internal powder-contacting surface is embodied at least partially in such a way that it is microstructured. The spraying behaviour of said powder inhalators is as efficient as that of powder inhalators provided with the smooth surface in said areas. The microstructured surfaces are particularly suitable to be cleaned simply with water. A capsule, a bubble package and a transport membrane having microstructured internal and external surfaces are also disclosed.

IPC 1-7  
**A61M 15/00; B65D 83/04**

IPC 8 full level  
**A61M 15/00** (2006.01)

CPC (source: EP)  
**A61M 15/0021** (2014.02); **A61M 15/0026** (2014.02); **A61M 15/0028** (2013.01); **A61M 15/0035** (2014.02); **A61M 15/0048** (2014.02);  
**A61M 2202/064** (2013.01); **A61M 2205/0222** (2013.01)

Citation (search report)  
See references of WO 2004062716A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004062716 A1 20040729**; AU 2003294927 A1 20040810; CA 2513130 A1 20040729; DE 10300982 A1 20040722;  
EP 1590026 A1 20051102; JP 2006512958 A 20060420

DOCDB simple family (application)  
**EP 0314692 W 20031220**; AU 2003294927 A 20031220; CA 2513130 A 20031220; DE 10300982 A 20030114; EP 03785906 A 20031220;  
JP 2004566012 A 20031220