

Title (en)

AEROSOL VALVE WITH DEFINED FLOW PATHS

Title (de)

AEROSOLVENTIL MIT DEFINIERTEN STRÖMUNGSWEGEN

Title (fr)

SOUPAPE D'AÉROSOL AYANT DES TRAJETS D'ÉCOULEMENTS DEFINIS

Publication

EP 2969845 A1 20160120 (EN)

Application

EP 14767606 A 20140314

Priority

- US 201361798402 P 20130315
- US 2014027630 W 20140314

Abstract (en)

[origin: WO2014152696A1] An aerosol valve having a valve stem, valve stem housing, compression spring, and a hard stop formed by the interaction of valve stem and valve stem housing is provided. The hard stop prevents the compression spring from becoming fully compressed, or coil-bound, when the valve stem is pressed to dispense a product formulation from the container, thereby creating open spaces between coils of the compression spring and providing a defined flow path for the product formulation. The aerosol valve increases mixing and turbulence of the product formulation that reduce agglomerations of solids that might otherwise block the flow paths. The additional defined flow path also directs more of the product to the valve stem aperture, further increasing dispensing of the product formulation from the container. A method of using the aerosol valve is provided.

IPC 8 full level

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CPC (source: EP US)

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