

Title (en)

Air filter cartridge with a resilient foil bag for receiving the filling

Title (de)

Luftreinigungspatrone mit einem dehnbaren Folienbeutel für die Füllung

Title (fr)

Cartouche filtrante comportant un sac élastique pour recevoir le chargement

Publication

EP 0515870 B1 19960417 (DE)

Application

EP 92107539 A 19920505

Priority

DE 4117168 A 19910525

Abstract (en)

[origin: EP0515870A1] An air filter cartridge for the treatment of respiratory air with a chemical as the filling, the housing wall of which consists at least partially of an expandable, elastic material, is to be improved in such a way that the expansion can be increased in a controlled manner before filling with the chemical in order to achieve a reproducible contraction force of the expanded housing and to lengthen the shelf life of the cartridge. For this purpose, it is provided that one of the connections (2) be connectable to a pressure joint (7) through which a compressed gas can be introduced into the housing designed as a foil bag (1, 1') in order to expand the latter to a predetermined volume. The chemical (5) is filled from a filling chamber (3) into the pressurised, expanded foil bag (1). After releasing the internal pressure to the environment, the foil bag surrounds the introduced filling tightly on all sides. <IMAGE>

IPC 1-7

A62B 19/00

IPC 8 full level

A62B 19/00 (2006.01)

CPC (source: EP US)

A62B 19/00 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0515870 A1 19921202; EP 0515870 B1 19960417; DE 4117168 A1 19921126; DE 4117168 C2 19931007; DE 59205993 D1 19960523; JP 2540414 B2 19961002; JP H05154214 A 19930622; US 5243969 A 19930914

DOCDB simple family (application)

EP 92107539 A 19920505; DE 4117168 A 19910525; DE 59205993 T 19920505; JP 13211492 A 19920525; US 86848292 A 19920414