

Title (en)
Vacuum cleaner filter bag with side fold

Title (de)
Staubsaugerfilterbeutel mit Seitenfalte

Title (fr)
Sac d'aspirateur doté d'un volet latéral

Publication
EP 2359730 B1 20120509 (DE)

Application
EP 10001717 A 20100219

Priority
EP 10001717 A 20100219

Abstract (en)
[origin: EP2359730A1] The bag has side foldings formed from folding side pieces, where the bag is designed as a tubular bag. One of the side foldings has three edges (206) in an evertable condition, where two of the edges are formed by a welded seam. The side foldings are everted with the edges formed by the welded seam, where the bag is made from material having a non-woven layer. The edges are designed in a curved manner, and comprise different lengths. Sides of the bag are formed by transverse welding seams (204, 205), and a longitudinal welding seam (203) runs perpendicular to the transverse welding seams. An independent claim is also included for a method for manufacturing a vacuum cleaner filter bag.

IPC 8 full level
A47L 9/14 (2006.01); **B31B 41/00** (2006.01)

CPC (source: EP US)
A47L 9/14 (2013.01 - EP US); **B31B 70/148** (2017.07 - EP US); **B31B 70/262** (2017.07 - EP US); **B31B 2155/001** (2017.07 - EP US); **B31B 2160/20** (2017.07 - EP US); **B31B 2241/008** (2013.01 - EP US); **Y10S 15/08** (2013.01 - US); **Y10S 55/02** (2013.01 - EP US); **Y10S 55/05** (2013.01 - EP US); **Y10T 156/1007** (2015.01 - EP US); **Y10T 156/1008** (2015.01 - EP US); **Y10T 156/101** (2015.01 - EP US); **Y10T 156/1011** (2015.01 - EP US); **Y10T 156/1013** (2015.01 - EP US)

Cited by
EP2939583A1; US10080474B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2359730 A1 20110824; EP 2359730 B1 20120509; EP 2359730 B2 20190814; AT E556635 T1 20120515; AU 2011217541 A1 20120913; AU 2011217541 B2 20130718; CN 102802487 A 20121128; CN 102802487 B 20160309; DK 2359730 T3 20120723; DK 2359730 T4 20191111; ES 2382781 T3 20120613; ES 2382781 T5 20200421; PL 2359730 T3 20120928; PL 2359730 T5 20191231; RU 2012134903 A 20140327; RU 2528163 C2 20140910; US 2013036717 A1 20130214; US 8974566 B2 20150310; WO 2011101124 A1 20110825

DOCDB simple family (application)
EP 10001717 A 20100219; AT 10001717 T 20100219; AU 2011217541 A 20110216; CN 201180009929 A 20110216; DK 10001717 T 20100219; EP 2011000732 W 20110216; ES 10001717 T 20100219; PL 10001717 T 20100219; RU 2012134903 A 20110216; US 201113579227 A 20110216