

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 A1 20110824 (DE)

Application
EP 10001717 A 20100219

Priority
EP 10001717 A 20100219

Abstract (en)
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.

Abstract (de)
Die Erfindung umfasst einen Staubsaugerfilterbeutel mit wenigstens einer durch zwei Faltenschenkel gebildeten Seitenfalte, wobei der Staubsaugerfilterbeutel als Schlauchbeutel ausgebildet ist, wobei die wenigstens eine Seitenfalte in einem eingestülpten Zustand wenigstens drei Kanten aufweist, wobei zwei der Kanten durch je eine Schweißnaht gebildet werden, und wobei die Seitenfalte mit den durch eine Schweißnaht gebildeten Kanten ausstülpbar ist.

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)

Citation (search report)
• [XA] DE 202005000917 U1 20050324 - BRANOFILTER GMBH [DE]
• [XDA] DE 202005000918 U1 20050331 - BRANOFILTER GMBH [DE]
• [XA] DE 102007005612 A1 20070802 - AICHNER FILTER GMBH [DE]
• [A] WO 0064320 A1 20001102 - ELECTROLUX AB [SE], et al

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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