

Title (en)  
FLAT BAG FOR A VACUUM CLEANER

Title (de)  
FLACHBEUTEL FÜR STAUBSAUGER

Title (fr)  
SAC PLAT POUR ASPIRATEUR

Publication  
**EP 2263507 A1 20101222 (DE)**

Application  
**EP 09008064 A 20090619**

Priority  
EP 09008064 A 20090619

Abstract (en)  
The flat bag has a bag upper side and bag lower side, whose bag walls are formed from an air permeable filter material, where an inlet opening is introduced in the bag top for the air to be filtered. A diffuser forming an intermediate level is arranged in the interior of the flat bag between the bag upper side and bag lower side, which comprises two single material strips or flat material structures, which have elongated flow openings. The diffuser is connected to a side of the bag wall.

Abstract (de)  
Die vorliegende Erfindung betrifft einen Flachbeutel für Staubsauger, der in seinem Inneren mindestens einen eine Zwischenebene bildenden Diffusor aus Materialstreifen und/oder Flächengebilden mit länglich geformten Strömungsöffnungen aufweist. Derartige Flachbeutel zeichnen sich durch eine exzellente Staubspeicherfähigkeit und eine Verlängerung der Nutzungsdauer aus.

IPC 8 full level  
**A47L 9/10** (2006.01); **A47L 9/14** (2006.01)

CPC (source: EP US)  
**A47L 9/102** (2013.01 - EP US); **A47L 9/14** (2013.01 - EP US)

Citation (applicant)  
• EP 0960645 A2 19991201 - AIRFLO EUROPE NV [BE]  
• EP 1795247 A1 20070613 - EUROFILTERS NV [BE]  
• EP 1787560 A1 20070523 - EUROFILTERS HOLDING NV [BE]  
• EP 1804635 A1 20070711 - EUROFILTERS HOLDING NV [BE]  
• DE 202008008989 U1 20080904 - EUROFILTERS HOLDING NV [BE]  
• DE 202008003248 U1 20080508 - EUROFILTERS HOLDING NV [BE]  
• DE 202006016303 U1 20061221 - WOLF GMBH & CO KG [DE]  
• DE 202008007717 U1 20080807 - WOLF PVG GMBH & CO KG [DE]  
• DE 202007010692 U1 20071004 - BRANOFILTER GMBH [DE]  
• DE 202006019108 U1 20070222 - BRANOFILTER GMBH [DE]  
• DE 102006051117 B3 20080131 - PAPIERVERARBEITUNG GOERLITZ GM [DE]  
• DE 202006016304 U1 20061221 - WOLF GMBH & CO KG [DE]

Citation (search report)  
• [X] DE 202008008989 U1 20080904 - EUROFILTERS HOLDING NV [BE]  
• [X] DE 202008003248 U1 20080508 - EUROFILTERS HOLDING NV [BE]  
• [X] US 6063171 A 20000516 - MOYHER JR GEORGE C [US], et al  
• [A] US 2732911 A 19560131  
• [A] DE 202008007717 U1 20080807 - WOLF PVG GMBH & CO KG [DE]

Cited by  
EP2759241A3; US10080474B2; DE202011108953U1; EP2644075A1; WO2013143789A1; US10045674B2; DE102011120688A1; DE102011120688B4; EP2644077A1; WO2013143790A2; US10052003B2; US11504662B2; US11602252B2; US11896922B2; EP2502536A1; EP2502537A1; WO2012126616A1; WO2012126617A1; US9713409B2; US9877627B2; US11678782B2; EP2502537B1; EP2502536B1

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 TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2263507 A1 20101222; EP 2263507 B1 20180919;** AU 2010262163 A1 20120119; AU 2010262163 B2 20160324; CN 102802484 A 20121128; CN 102802484 B 20160803; DE 202010018626 U1 20190509; DK 2263507 T3 20190114; DK 3195782 T3 20190415; DK 3443880 T3 20210726; EP 2442702 A1 20120425; EP 2442702 B1 20160831; EP 2442702 B2 20230111; EP 3195782 A1 20170726; EP 3195782 B1 20190109; EP 3443880 A1 20190220; EP 3443880 B1 20210512; ES 2595602 T3 20170102; ES 2595602 T5 20230330; ES 2694479 T3 20181221; ES 2716753 T3 20190614; ES 2876248 T3 20211112; PL 2263507 T3 20190228; PL 3195782 T3 20190731; PL 3443880 T3 20211206; US 2012272628 A1 20121101; US 8702828 B2 20140422; WO 2010145740 A1 20101223

DOCDB simple family (application)  
**EP 09008064 A 20090619;** AU 2010262163 A 20100517; CN 201080027292 A 20100517; DE 202010018626 U 20100517; DK 09008064 T 20090619; DK 17160494 T 20090619; DK 18196359 T 20090619; EP 10721327 A 20100517; EP 17160494 A 20090619; EP 18196359 A 20090619; EP 2010003018 W 20100517; ES 09008064 T 20090619; ES 10721327 T 20100517; ES 17160494 T 20090619; ES 18196359 T 20090619; PL 09008064 T 20090619; PL 17160494 T 20090619; PL 18196359 T 20090619; US 201013377668 A 20100517