

Title (en)
FILTER BAG AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
FILTERBEUTEL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
SAC FILTRANT ET PROCEDE DE PRODUCTION CORRESPONDANT

Publication
EP 1677660 A1 20060712 (DE)

Application
EP 04817144 A 20041015

Priority

- EP 2004011648 W 20041015
- DE 10348375 A 20031017

Abstract (en)
[origin: WO2005034708A1] The invention relates to a filter bag (1) for a vacuum cleaner, comprising a tubular bag with a closed free end area (13), an opposing area (2) that is at least partially closed, and with a retaining plate. Said bag (1) is made from a bag material having at least one nonwoven layer. The area (2) that is at least partially closed whereby forming a bottom (9) is folded while forming, in areas, plies of the bag material lying one atop the other and is at least partially closed by a weld seam (6) extending in a centered manner in the bottom (9), whereby the plies of the bag material lying atop one another are at least partially joined to one another.

IPC 1-7
A47L 9/14; **B31B 41/00**; **B31B 29/00**

IPC 8 full level
A47L 9/14 (2006.01); **B31B 29/00** (2006.01); **B31B 41/00** (2006.01)

CPC (source: EP NO US)
A47L 9/14 (2013.01 - EP NO US); **B31B 2150/00** (2017.07 - EP US); **B31B 2150/001** (2017.07 - EP NO US); **B31B 2150/0016** (2017.07 - EP US); **B31B 2160/20** (2017.07 - EP US); **B31B 2241/008** (2013.01 - EP US); **Y10S 55/02** (2013.01 - EP US); **Y10T 156/1069** (2015.01 - EP US); **Y10T 156/1079** (2015.01 - EP US); **Y10T 156/1739** (2015.01 - EP US)

Citation (search report)
See references of WO 2005034708A1

Cited by
WO2011101124A1; US8974566B2; EP2366319A1; EP2366320A1; WO2011113543A1; WO2011113545A2; EP2662010A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005034708 A1 20050421; AT E451862 T1 20100115; AU 2004280091 A1 20050421; AU 2004280091 B2 20101202; CN 1867286 A 20061122; CN 1867286 B 20100630; DE 10348375 A1 20050519; DE 10348375 B4 20060504; DE 502004010530 D1 20100128; EP 1677660 A1 20060712; EP 1677660 B1 20091216; ES 2338123 T3 20100504; NO 20062164 L 20060711; NO 337579 B1 20160509; US 2007175190 A1 20070802; US 8002862 B2 20110823

DOCDB simple family (application)
EP 2004011648 W 20041015; AT 04817144 T 20041015; AU 2004280091 A 20041015; CN 200480030275 A 20041015; DE 10348375 A 20031017; DE 502004010530 T 20041015; EP 04817144 A 20041015; ES 04817144 T 20041015; NO 20062164 A 20060512; US 57622504 A 20041015