

Title (en)
FILTER ELEMENT FOR AN AIR FILTER AND A METHOD FOR THE PRODUCTION THEREOF

Title (de)
FILTERELEMENT FÜR EINEN LUFTFILTER UND EIN VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
ELEMENT FILTRANT POUR FILTRE A AIR ET SON PROCEDE DE PRODUCTION

Publication
EP 0975413 A1 20000202 (DE)

Application
EP 98916978 A 19980415

Priority
• DE 19716161 A 19970418
• EP 9801541 W 19980415

Abstract (en)
[origin: US6312489B1] A filter element for an air filter, including a filter insert (2; 8; 10) and a seal (6) extending around the outer edges of the filter insert on the flat side thereof; the filter insert being folded in a zig-zag or pleated form and being composed of filter paper or filter fabric. The filter element (1; 7; 9; 10) rests against parts of a filter housing through the seal (6). The folded filter insert has a contour on one side which deviates extensively from a plane, at least in certain predetermined areas, thus creating a continuous zig-zag fold.

IPC 1-7
B01D 46/52; **F02M 35/024**

IPC 8 full level
B01D 46/00 (2006.01); **B01D 46/10** (2006.01); **B01D 46/52** (2006.01); **B65H 45/20** (2006.01); **F02M 35/024** (2006.01)

CPC (source: EP KR US)
B01D 39/02 (2013.01 - KR); **B01D 39/16** (2013.01 - KR); **B01D 46/0005** (2013.01 - EP KR US); **B01D 46/10** (2013.01 - EP US); **B01D 46/52** (2013.01 - KR); **B01D 46/522** (2013.01 - EP US); **B65H 45/20** (2013.01 - EP US); **F02M 35/024** (2013.01 - EP US); **B01D 2239/10** (2013.01 - KR); **B01D 2279/60** (2013.01 - EP US)

Citation (search report)
See references of WO 9847601A1

Cited by
US10213723B2

Designated contracting state (EPC)
AT DE ES FR GB IT

DOCDB simple family (publication)
US 6312489 B1 20011106; BR 9808571 A 20000523; CA 2287455 A1 19981029; CN 1252736 A 20000510; DE 19816431 A1 19981022; EP 0975413 A1 20000202; IL 123593 A0 19981030; IL 123593 A 20010826; IN 189834 B 20030426; JP 2001524870 A 20011204; KR 20010006354 A 20010126; WO 9847601 A1 19981029; ZA 983006 B 19981013

DOCDB simple family (application)
US 40325999 A 19991230; BR 9808571 A 19980415; CA 2287455 A 19980415; CN 98804301 A 19980415; DE 19816431 A 19980415; EP 9801541 W 19980415; EP 98916978 A 19980415; IL 12359398 A 19980308; IN 106BO1998 A 19980227; JP 54484198 A 19980415; KR 19997009439 A 19991014; ZA 983006 A 19980808