

Title (en)
TRIBOELECTRIC AIR FILTER

Title (de)
REIBUNGSELEKTRISCHER LUFTFILTER

Title (fr)
FILTRE A AIR TRIBOELECTRIQUE

Publication
EP 1085934 B1 20020320 (FR)

Application
EP 98921296 A 19980513

Priority
CA 9800470 W 19980513

Abstract (en)
[origin: WO9958224A1] The invention concerns a triboelectric air filter comprising polypropylene fibres (1) mixed with isophthalamide polymetaphenylene fibres (2). Preferably, the fibre (1) fibre (2) ratio ranges between 5:95 and 50:50, and more preferably between 10:90 and 30:70. Said air filter surface mass which is in the form of a nonwoven, preferably ranges between 15 and 500 g/m<2>. Said filter is highly efficient and is designed to be used in all appliances wherein air filtering is required.

IPC 1-7
B01D 39/16; B01D 39/00; B01D 46/00

IPC 8 full level
B01D 39/16 (2006.01); **B01D 39/14** (2006.01)

CPC (source: EP US)
B03C 3/30 (2013.01 - EP US); **D04H 1/4291** (2013.01 - EP US); **D04H 1/4342** (2013.01 - EP US); **D04H 1/43835** (2020.05 - EP US); **Y10T 442/637** (2015.04 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9958224 A1 19991118; AU 7420898 A 19991129; CA 2330805 A1 19991118; CA 2330805 C 20030902; DE 69804361 D1 20020425; DE 69804361 T2 20021010; EP 1085934 A1 20010328; EP 1085934 B1 20020320; JP 2002514494 A 20020521; US 6328788 B1 20011211

DOCDB simple family (application)
CA 9800470 W 19980513; AU 7420898 A 19980513; CA 2330805 A 19980513; DE 69804361 T 19980513; EP 98921296 A 19980513; JP 2000548068 A 19980513; US 70021201 A 20010209