

Title (en)
DUST-COLLECTING ELEMENT FOR AIR-CLEANING APPARATUS

Title (de)
STAUBKOLLEKTORELEMENT FÜR LUFTREINIGER

Title (fr)
ELEMENT COLLECTEUR DE POUSSIÈRES DESTINÉ À UN APPAREIL D'ÉPURATION DE L'AIR

Publication
EP 1046425 B1 20040804 (EN)

Application
EP 98947830 A 19981012

Priority
• JP 9804596 W 19981012
• JP 28229597 A 19971015

Abstract (en)
[origin: EP1046425A1] Disclosed is a dust collecting element (24) which is attachable to and detachable from an air cleaner main body (12) and comprises an ionization section (22) for charging dust in air and a filter (23d) serving as a dust collection section. A cassette section (31a) for supporting the filter (23d) is integrally formed with a casing (31) of the ionization section (22). Specifically, a plurality of ionization wires (33) and a plurality of pairs of opposite electrode plates (32a) arranged opposite to each other with the ionization wire (33) interposed therebetween are arranged on one surface of the casing (31) of the ionization section (22), and the cassette section (31a) for supporting the filter (23d) is provided on another surface of the casing (31). <IMAGE>
[origin: EP1046425A1] A dust-collecting element (24) is detachably attached to an air-cleaning apparatus body (12) and is provided with an ionizing unit (22) for electrically charging dust in the air and a filter (23d) serving as a dust-collecting unit. A cassette unit (31a) for supporting the filter (23d) is formed integrally with the casing (31) of the ionizing unit (22). On one surface of the casing (31) of the ionizing unit (22) are arranged a number of ionizing lines (33) and a number of pairs of opposing electrodes (32a) oppositely arranged and sandwiching the ionizing lines (33). On the other surface of the casing (31) is provided a cassette unit (31a) for supporting the filter (23d).

IPC 1-7
B03C 3/14; **B03C 3/155**; **B03C 3/019**; **B03C 3/12**

IPC 8 full level
B03C 3/10 (2006.01); **B03C 3/12** (2006.01); **B03C 3/155** (2006.01)

CPC (source: EP)
B03C 3/12 (2013.01); **B03C 3/155** (2013.01)

Citation (examination)
US 3800509 A 19740402 - CARR A, et al

Cited by
EP1291086A3

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

DOCDB simple family (publication)
EP 1046425 A1 20001025; **EP 1046425 A4 20010704**; **EP 1046425 B1 20040804**; AU 725022 B2 20001005; AU 9459798 A 19990503; CN 1170638 C 20041013; CN 1275930 A 20001206; DE 69825486 D1 20040909; DE 69825486 T2 20050728; ES 2226174 T3 20050316; JP 3360582 B2 20021224; JP H11114444 A 19990427; TW 453897 B 20010911; WO 9919072 A1 19990422

DOCDB simple family (application)
EP 98947830 A 19981012; AU 9459798 A 19981012; CN 98810187 A 19981012; DE 69825486 T 19981012; ES 98947830 T 19981012; JP 28229597 A 19971015; JP 9804596 W 19981012; TW 87117099 A 19981015