

Title (en)

IONIZING AND POLARIZING ELECTRONIC AIR FILTER

Title (de)

IONISIERENDE UND POLARISIERENDE ELEKTRONISCHE LUFTFILTER

Title (fr)

FILTRE A AIR ELECTRONIQUE IONISANT ET POLARISANT

Publication

EP 0936946 B1 20020508 (EN)

Application

EP 96934280 A 19961108

Priority

CA 9600730 W 19961108

Abstract (en)

[origin: WO9820978A1] A high efficiency electronic air filter is based on a fibrous pad of dielectric fibres which is sandwiched between an electrically charged, ionizing grid and a grounded screen. The ionizing grid charges the dust particles passing through the filter and at the same time the grid and screen polarize the fibrous pad. In this way, the charged particles are attracted and collected on the polarized fibrous pad with improved efficiency.

IPC 1-7

B03C 3/155; **B03C 3/41**

IPC 8 full level

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CPC (source: EP)

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Cited by

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WO 9820978 A1 19980522; CA 2270976 A1 19980522; CA 2270976 C 20030429; DE 69621163 D1 20020613; EP 0936946 A1 19990825; EP 0936946 B1 20020508; JP 2001503326 A 20010313

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