

Title (en)
BREATHING AIR FILTRATION DEVICES

Title (de)
ATEMLUFT-FILTRATIONSVORRICHTUNG

Title (fr)
DISPOSITIF DE FILTRAGE D'AIR RESPIRABLE

Publication
EP 1725286 A4 20080102 (EN)

Application
EP 05725914 A 20050318

Priority

- US 2005009151 W 20050318
- US 80499504 A 20040319
- US 7778405 A 20050311

Abstract (en)
[origin: WO2005092004A2] A nasal air filtration device includes a pair of either planar or concave-convex filters, a support structure incorporating a pair of generally annular bases or sleeves for supporting the filters, and a bridge that couples the bases or sleeves to maintain them in a desired spaced-apart relation and to determine a desired angular relationship. The support structure is insertable into the nasal cavities to position the filters within corresponding nasal cavities. Flexible rims maintain the support structure and the filters in spaced-apart relation to the surrounding nasal wall. The rims conform to surrounding nasal tissue to form seals. The rims can be selectively inclined to facilitate insertion and resist accidental removal. In certain embodiments the device is combined with a filter that covers the mouth to provide an air filtration system.

IPC 8 full level
A62B 23/06 (2006.01)

CPC (source: EP)
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Citation (search report)

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

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WO 2005092004 A2 20051006; WO 2005092004 A3 20060504; AU 2005226662 A1 20051006; CA 2581433 A1 20051006; CA 2581433 C 20140715; EP 1725286 A2 20061129; EP 1725286 A4 20080102; EP 1725286 B1 20111123; JP 2007531570 A 20071108

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