

Title (en)  
BREATHING AIR FILTRATION DEVICES

Title (de)  
ATEMLUFT-FILTRATIONSVORRICHTUNG

Title (fr)  
DISPOSITIF DE FILTRAGE D'AIR RESPIRABLE

Publication  
**EP 1725286 B1 20111123 (EN)**

Application  
**EP 05725914 A 20050318**

Priority  

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- 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  
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