

Title (en)

A NON-INVASIVE SINUS PAIN RELIEVING ASSEMBLY

Title (de)

NICHT-INVASIVE VORRICHTUNG ZUM LINDERN VON SINUSSCHMERZEN

Title (fr)

DISPOSITIF NON INVASIF PERMETTANT D'ATTENUER LES DOULEURS AUX SINUS

Publication

EP 1345659 A4 20090603 (EN)

Application

EP 00989449 A 20001222

Priority

US 0035142 W 20001222

Abstract (en)

[origin: WO02051298A2] A lightweight, portable non-invasive device specifically designed to regulate and effectively equalize the pressure between the sinus cavities and middle ear, and the nasal cavity and nasopharynx. The relieving of the pressure within the sinus cavities in turn relieves pain normally associated with such a condition. The subject pressure equalizing assembly comprises a face mask having a seal disposed about the outer periphery thereof which is specifically dimensioned and configured to surround the nose and nostrils of the user in an outwardly spaced relation thereto. This seal effectively isolates the nasal cavity and nasopharynx when the user swallow, and defines direct fluid communication with a vacuum chamber and a pressure regulating assembly serving to create an initial negative pressure within the nasal cavity and nasopharynx. Fluid in the form of mucous, liquid and/or air is transferred from the sinus cavities which may define a zone of relative high pressure such that the pressure is effectively regulated between the sinus cavities, middle ear, nasal cavities and nasopharynx through the selective manipulation of the pressure regulating assembly thereby providing immediate relief from sinus pain while helping to relieve middle ear pressure and associated symptoms.

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IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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