

Title (en)  
THERAPEUTIC DEVICE FOR TREATMENT OF CONDITIONS RELATING TO THE SINUSES, NASAL CAVITIES, EAR, NOSE AND THROAT

Title (de)  
THERAPEUTISCHE VORRICHTUNG ZUR BEHANDLUNG VON ZUSTÄNDEN BEZÜGLICH DER NASENNEBENHÖHLEN, NASENHÖHLEN, OHR, NASE UND HALS

Title (fr)  
DISPOSITIF THÉRAPEUTIQUE POUR LE TRAITEMENT D'ÉTATS RELATIFS AUX SINUS, AUX CAVITÉS NASALES, À L'OREILLE, AU NEZ ET À LA GORGE

Publication  
**EP 3965711 A4 20221221 (EN)**

Application  
**EP 19928070 A 20190507**

Priority  
US 2019031097 W 20190507

Abstract (en)  
[origin: WO2020226629A1] A therapeutic device for treating conditions of a user's nasal cavities, sinuses, and/or ear canals includes a housing which the user may hold to apply the therapeutic device to the user, the housing including an inlet that, allows air to enter the therapeutic device. An acoustic vibrator located within the housing provides an acoustic vibration to the user, and a power supply located within the housing provides power to the acoustic vibrator. A mask is connected to the housing and includes a nasal interface that is applicable around the nose of the user. A valve of the mask opens to allow the user to breathe through the inlet and closes to prevent the user from exhaling through the inlet. The mask further includes a diaphragm and a nasal cavity in which a user's nostrils are located when the nasal interface is applied to the user.

IPC 8 full level  
**A61H 1/00** (2006.01); **A61F 11/00** (2022.01); **A61H 21/00** (2006.01); **A61H 23/02** (2006.01); **A61H 23/04** (2006.01); **A61M 11/00** (2006.01); **A61M 15/08** (2006.01); **A61M 16/00** (2006.01); **A61M 16/06** (2006.01); **A61M 16/10** (2006.01); **A61M 16/14** (2006.01); **A61M 16/16** (2006.01); **A61M 16/20** (2006.01)

CPC (source: EP)  
**A61H 1/00** (2013.01); **A61H 21/00** (2013.01); **A61H 23/0236** (2013.01); **A61M 16/0006** (2014.02); **A61M 16/06** (2013.01); **A61M 16/0666** (2013.01); **A61M 16/208** (2013.01); **A61F 11/006** (2013.01); **A61H 2201/105** (2013.01); **A61H 2201/1207** (2013.01); **A61H 2201/1604** (2013.01); **A61H 2201/5046** (2013.01); **A61H 2205/023** (2013.01); **A61H 2205/027** (2013.01); **A61M 11/00** (2013.01); **A61M 16/0045** (2013.01); **A61M 16/0066** (2013.01); **A61M 16/0078** (2013.01); **A61M 16/1075** (2013.01); **A61M 16/14** (2013.01); **A61M 16/16** (2013.01); **A61M 16/201** (2014.02); **A61M 16/209** (2014.02); **A61M 2202/0208** (2013.01); **A61M 2202/0225** (2013.01); **A61M 2202/025** (2013.01); **A61M 2202/0266** (2013.01); **A61M 2202/0468** (2013.01); **A61M 2202/064** (2013.01); **A61M 2205/07** (2013.01); **A61M 2205/071** (2013.01); **A61M 2205/103** (2013.01); **A61M 2205/3331** (2013.01); **A61M 2205/3368** (2013.01); **A61M 2205/3375** (2013.01); **A61M 2205/505** (2013.01); **A61M 2205/59** (2013.01); **A61M 2205/6045** (2013.01); **A61M 2205/8206** (2013.01); **A61M 2205/825** (2013.01); **A61M 2205/8275** (2013.01); **A61M 2210/0618** (2013.01); **A61M 2210/065** (2013.01); **A61M 2210/0662** (2013.01); **A61M 2210/0675** (2013.01); **A61M 2210/0681** (2013.01)

Citation (search report)  
• [XII] US 3602219 A 19710831 - WARNCKE ERNST  
• [XII] WO 2009127049 A1 20091022 - FLYNN STEPHEN DONALD [CA]  
• [XII] WO 2010056953 A1 20100520 - DALIRI SHAHRIAR [US]  
• [I] WO 0135856 A1 20010525 - NIELSEN HELLE FUNCH [DK]  
• [A] WO 2018053079 A1 20180322 - BOGAN CONSULTING SERVICES P A [US]  
• [A] US 6058932 A 20000509 - HUGHES ARTHUR R [US]  
• See references of WO 2020226629A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2020226629 A1 20201112**; AU 2019444217 A1 20211202; CA 3139409 A1 20201112; CN 112203627 A 20210108; EP 3965711 A1 20220316; EP 3965711 A4 20221221

DOCDB simple family (application)  
**US 2019031097 W 20190507**; AU 2019444217 A 20190507; CA 3139409 A 20190507; CN 201980026976 A 20190507; EP 19928070 A 20190507