

(12) International Application Status Report

Received at International Bureau: 08 June 2018 (08.06.2018)

Information valid as of: 06 November 2018 (06.11.2018)

Report generated on: 16 February 2019 (16.02.2019)

(10) Publication number:

WO2018/222400

(43) Publication date:

06 December 2018 (06.12.2018)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/US2018/033133

(22) Filing Date:

17 May 2018 (17.05.2018)

(25) Filing language:

English (EN)

(31) Priority number(s):

15/607,798 (US)

(31) Priority date(s):

30 May 2017 (30.05.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

A61F 11/08 (2006.01); **C08L 23/14** (2006.01); **C08L 23/22** (2006.01); **C08L 45/00** (2006.01); **C08L 75/04** (2006.01); **C08L 83/04** (2006.01); **H04R 1/10** (2006.01)

(71) Applicant(s):

BOSE CORPORATION [US/US]; The Mountain, MS-40 Framingham, Massachusetts 01701 (US) *(for all designated states)*

(72) Inventor(s):

PREVOIR, Shawn J.; 11 Prospect Street Northborough, Massachusetts 01532 (US)

HANSON, Caitlin; 21 Beverlee Rd Tyngsboro, Massachusetts 01879 (US)

(74) Agent(s):

KING, Annie J.; Fish & Richardson P.C. P.O.Box 1022 Minneapolis, Minnesota 55440-1022 (US)

(54) Title (EN): BREATHABLE EARPIECES

(54) Title (FR): ÉCOUTEURS PERMÉABLES À L'AIR

(57) Abstract:

(EN): The disclosure is related to compositions having water permeability greater than about 20 g/(hr*m²) that includes one or more elastomers and one or more agents and methods of preparing the same. The compositions are suitable for use in acoustical devices such as earpieces, e.g., in-ear earpieces.

(FR): L'invention concerne des compositions ayant une perméabilité à l'eau supérieure à environ 20 g/ (hr * m²) qui comprennent un ou plusieurs élastomères et un ou plusieurs agents et leurs procédés de préparation. Les compositions sont appropriées pour être utilisées dans des écouteurs tels que des écouteurs intra-auriculaires.

International search report:

Received at International Bureau: 05 November 2018 (05.11.2018) [EP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG
African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ,
TZ, UG, ZM, ZW
Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM

Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))