

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 February 2022 (03.02.2022)



(10) International Publication Number
WO 2022/026579 A3

(51) International Patent Classification:

A61N 1/04 (2006.01) *A61N 1/02* (2006.01)
A61N 1/05 (2006.01) *A61N 1/18* (2006.01)
A61N 1/00 (2006.01) *A61N 1/20* (2006.01)

(21) International Application Number:

PCT/US2021/043503

(22) International Filing Date:

28 July 2021 (28.07.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/057,887 28 July 2020 (28.07.2020) US

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(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): 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, IT, 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,

(54) Title: SYSTEMS AND METHODS RELATED TO INTRAORAL ELECTRICAL STIMULATION

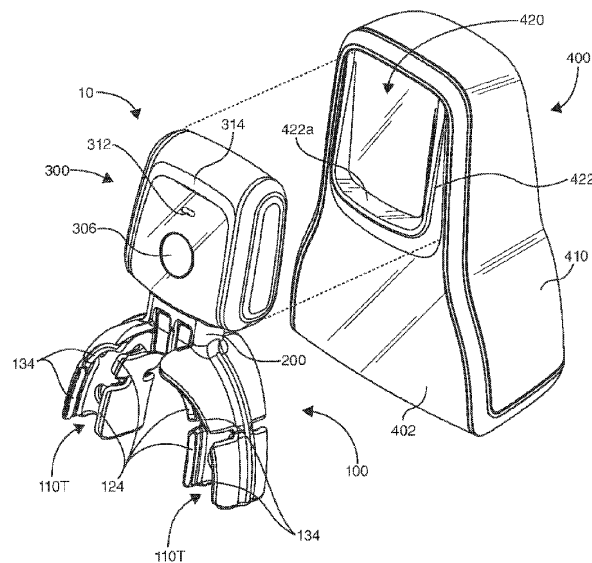


Fig.1

(57) Abstract: An apparatus and method are used to deliver an electrical current to, through or across gingival tissues of a mouth in order to achieve a number of therapeutic, prophylactic, cosmetic, and or regenerative benefits. These benefits include killing or modifying oral microbes, increasing oral vasodilation, reducing oral biofilm, improving oral blood circulation, reversing oral bone resorption, promoting oral osteogenesis, treating gum recession, and fostering gingival regeneration. Other benefits include the treatment of gingivitis, periodontitis, and oral malodor, and other systemic diseases correlated with oral pathogens. Use of systems and methods according to the present invention may effectively tighten epithelial contact with one or more teeth (e.g., by the junctional epithelium and/or the sulcular epithelium) and/or cause a tightening of the oral epithelium, thereby improving an appearance of a human smile.

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NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,
SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

- (84) Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (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), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:

03 March 2022 (03.03.2022)