

(43) International Publication Date
23 August 2012 (23.08.2012)

- (51) **International Patent Classification:**
A61C 3/02 (2006.01) A61C 1/08 (2006.01)
- (21) **International Application Number:**
PCT/IB2011/003368
- (22) **International Filing Date:**
17 November 2011 (17.11.2011)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
10-2010-0114678
17 November 2010 (17.11.2010) KR
10-2011-0065074 30 June 2011 (30.06.2011) KR
61/503,572 30 June 2011 (30.06.2011) US
61/503,580 30 June 2011 (30.06.2011) US
10-2011-0077930 4 August 2011 (04.08.2011) KR
PCT/US2011/061090
17 November 2011 (17.11.2011) US

(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, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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.

(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, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, ML, MR, NE, SN, TD, TG).

(71) **Applicant** (for all designated States except US): **AHN, Kyung, Sook** [KR/KR]; 203-802, Beomeo World Meridian Western, County, Apt., 966-1 Beomeo 3-dong, Suseong-gu, Daegu 706-946 (KR).

(72) **Inventor; and**

(75) **Inventor/Applicant** (for US only): **KWON, Oh-Dal** [KR/KR]; 203-802, Beomeo World Meridian Western, County, Apt., 966-1, Beomeo 3-dong, Suseong-gu, Daegu 706-946 (KR).

(74) **Agent:** **AIP PATENT & LAW FIRM**; Shinwon Bldg. 8F, 823-14, Yeoksam-dong, Gangnam-gu, Seoul 135-933 (KR).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))

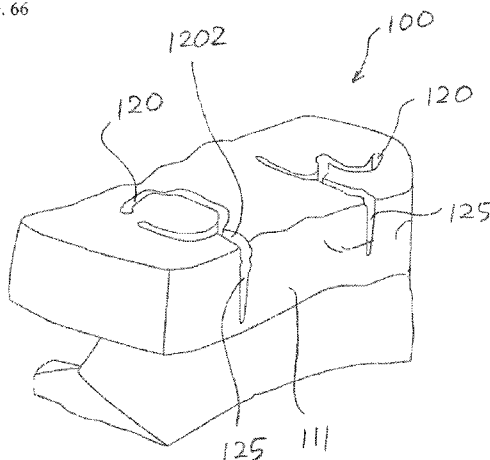
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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

27 December 2012

(54) **Title:** TOOTH PREPARATION GUIDE DEVICE AND METHOD OF PREPARING TOOTH FOR DENTAL PROSTHESIS

FIG. 66



(57) **Abstract:** Dental preparation uses a tooth preparation guide custom-made for fitting with teeth of a patient. The preparation guide includes one or more guide channels for guiding a cutting tool. The preparation guide enables modification of the teeth as planned with high level of precision. A dental prosthesis for installing onto prepared teeth of the patient is provided before preparation of the teeth. The prosthesis includes features that are complementary to the prepared teeth. The prosthesis can be installed immediately after preparing the teeth using the preparation guide. With the high level of accuracy and precision in the preparation of teeth, no modification of the prosthesis would be needed for installation.