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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 December 2007 (27.12.2007)

PCT

(10) International Publication Number
WO 2007/147343 A1

(51) International Patent Classification:
A61B 5/00 (2006.01)

(21) International Application Number:
PCT/CN2007/001881

(22) International Filing Date: 15 June 2007 (15.06.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
200610092863.1 16 June 2006 (16.06.2006) CN

(71) Applicant and
(72) Inventor: **CHOU, Chang-An** [CN/CN]; 3F, No.100, Sec 3, Ming-Sheng East Rd, Taipei 105, Taiwan (CN).

(74) Agent: **LUNG TIN INTERNATIONAL INTELLECTUAL PROPERTY AGENTLTD.**; 18th Floor, Tower B, Grand Place, No.5 Huizhong Road, Chaoyang District, Beijing 100101 (CN).

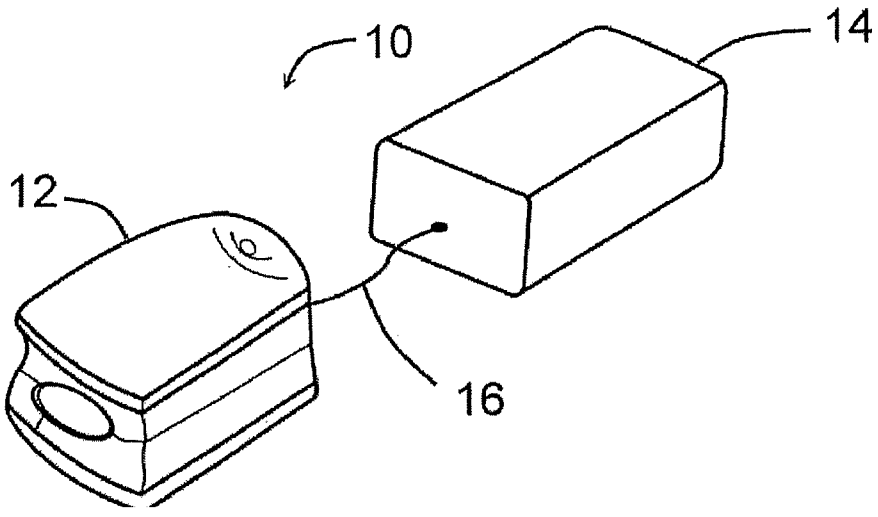
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) **Title:** PULSE OXIMETER WITH CHANGEABLE STRUCTURE



(57) **Abstract:** A pulse oximeter with changeable structure includes a first housing (12), having a light emitting element and a light receiving element mounted therein, and a second housing (14), electrically connected to the first housing (12). The circuit needed by the pulse oximeter is distributed into the first and the second housings (12, 14). A corresponding pair of assembling mechanisms are further mounted on the first and the second housings (12, 14), respectively, so that the first and the second housings (12, 14) are capable of being assembled together to form one single combination.

WO 2007/147343 A1