Title: EYEWEAR WITH EXCHANGEABLE TEMPLES HOUSING BLUETOOTH ENABLED APPARATUS

Abstract: A wireless and hoc pico network is formed by eyewear and other devices such as a computer, a bracelet and a telephone having similar transceivers mounted on them. Master slave relationships are configurable. Other devices, such as a radio, a CD player, or a hand held global positioning satellite system and a heart rate monitor, having similar transceivers, can also be connected to the transceiver of the eyewear. The transceivers operate on globally available, unlicensed radio band, 2.45 gigahertz (GHz) and conforms to the Bluetooth standard. The power consumption of Bluetooth enabled devices is less than three percent of the power consumption of a mobile phone. The eyewear includes a frame and connected to the frame are two temples. The temples are connected to the frame via hinges. The temples have a male portion of a connector incorporated in them. Female portion of the connector is made integral with the hinges. When the male portion is inserted in the female portion the temple is attached to the frame. The temples can be removed by pulling the connector apart, and a temple with different apparatus within it can be inserted in place of the removed temples. The temple may have co-molded within its body, an apparatus such as an audio device, a camera, a speaker, and a microphone, and a display device such as liquid crystal or an alarm. In another embodiment, eyewear constitutes a distance alarm to monitor the movement of, for example, a child. A device in form of, for example, a bracelet is worn by the child. The transceivers in the eyewear and the bracelet form a small-range wireless network, i.e., a piconet, wherein the eyewear and the bracelet communicate using signals conforming to the Bluetooth technology. The transceiver in the eyewear is configured to generate an alarm when the bracelet exceeds a predetermined distance from eyewear.
Declarations under Rule 4.17:

— as to applicant’s entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

— as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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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.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : G02C 1/00
   US CL : 351/158, 41; 704/271, 270
   According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
   Minimum documentation searched (classification system followed by classification symbols)
   U.S. : 351/158, 41; 704/271, 270

   Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
   NONE

   Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
   NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tbody>
<tr>
<td>X</td>
<td>US 6,311,155 B1 (VAUDREY et al.) 30 October 2001 (30.10.2001), see entire document.</td>
<td>1-10</td>
</tr>
<tr>
<td>Y</td>
<td>US 5,717,479 (RICHARDS) 10 February 1998 (10.02.1998), see entire document.</td>
<td>11-15, 29, 30</td>
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