

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 February 2004 (19.02.2004)

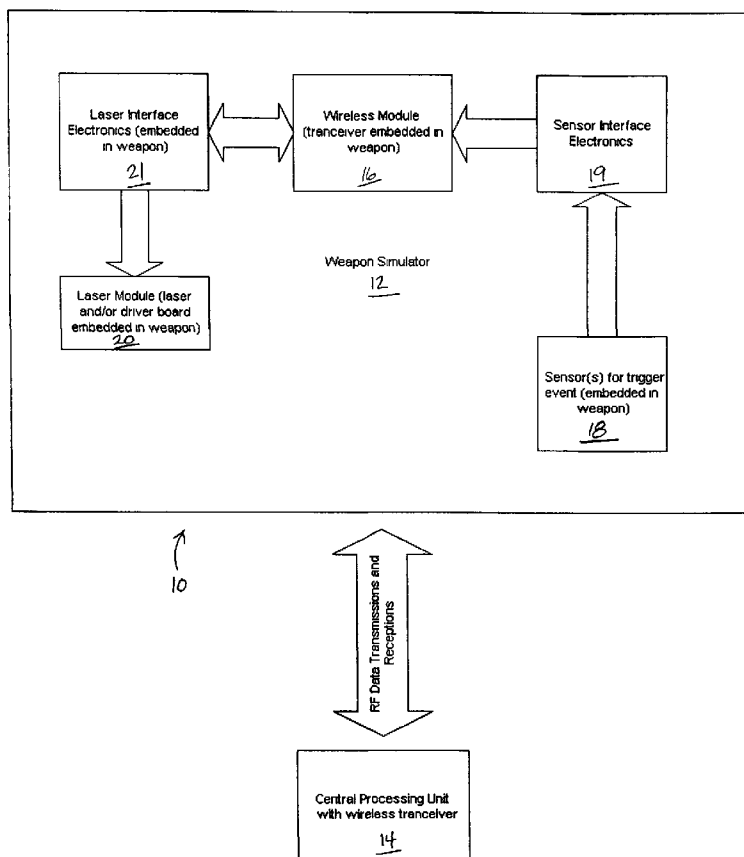
PCT

(10) International Publication Number
WO 2004/015356 A2

- (51) International Patent Classification⁷: **F41G**
- (21) International Application Number:
PCT/US2003/023315
- (22) International Filing Date: 24 July 2003 (24.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
20/401,970 8 August 2002 (08.08.2002) US
- (71) Applicant: **FATS, INC.** [US/US]; 7340 McGinnis Ferry Road, Suwanee, GA 30024 (US).
- (72) Inventors: **CHUNG, Bobby, Hsiang-Hsu**; 2264 East Lake Road, N.E., Atlanta, GA 30307 (US).
KLUSENDORF, Kelvin, William; 2239 Riordan Drive, San Jose, CA 95130 (US).
- (74) Agents: **HOLLAND, Christopher, A.** et al.; Smith, Gambrell & Russell, LLP, 1230 Peachtree Street, N.E., Suite 3100, Promenade II, Atlanta, GA 30309-3592 (US).
- (81) Designated States (*national*): 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, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): 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, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: WIRELESS DATA COMMUNICATION LINK EMBEDDED IN SIMULATED WEAPON SYSTEMS



(57) Abstract: A weapon simulator assembly (10) having a wireless module (16) provided in a simulated weapon (12) to maximize the freedom of movement for the user and to provide complete diagnostics from electronic sensors (18) for users of the firearms training simulator (12). The wireless module (16) is embedded in the simulated weapon (12) used in the simulator assembly (10) and connected to various sensors to obtain operational information. The wireless data communication link is a wireless module (16) using a frequency hopping spread spectrum technology such that the wireless module (16) can fit in a small firearm simulator (12), such as a handgun or chemical spray simulator.

WO 2004/015356 A2



Published:

— without international search report and to be republished
upon receipt of that 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.