

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 May 2001 (17.05.2001)

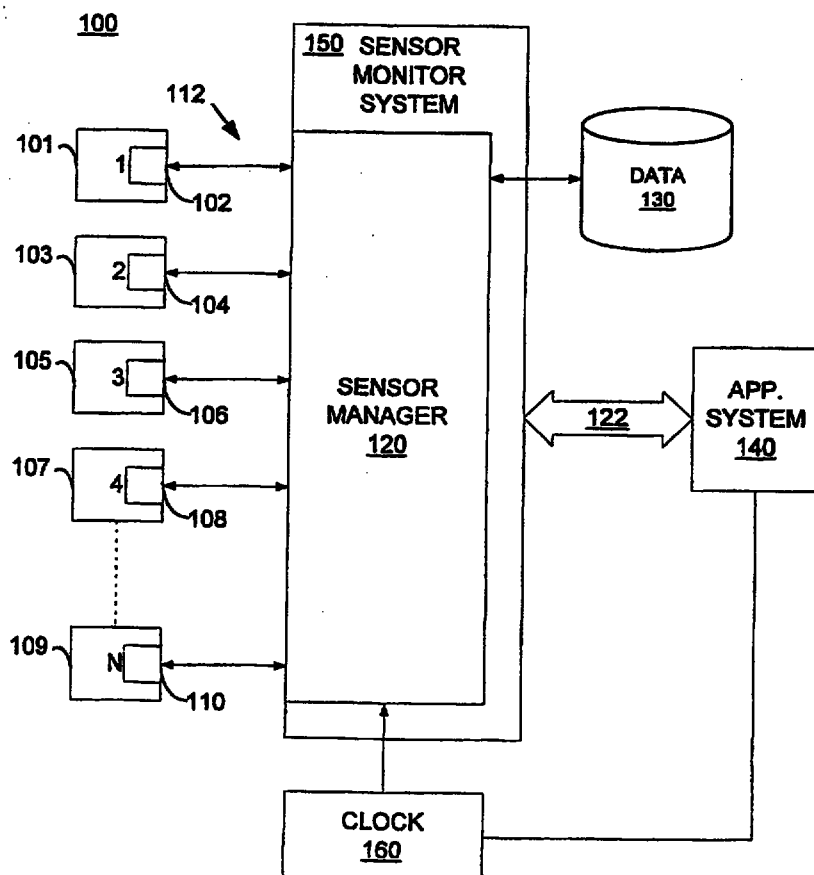
PCT

(10) International Publication Number
WO 01/35365 A1

- (51) International Patent Classification⁷: **G08B 19/00**
- (21) International Application Number: **PCT/US00/41570**
- (22) International Filing Date: **25 October 2000 (25.10.2000)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
60/161,946 **28 October 1999 (28.10.1999)** **US**
- (71) Applicant: **POWERSMART, INC.** [US/US]; 200 Reservoir Street, Needham, MA 02494 (US).
- (72) Inventor: **GHASEMINEJAD, Parviz**; 35 Brownlea Road, Framingham, MA 01701 (US).
- (74) Agents: **KUSMER, Toby, H. et al.**; McDermott, Will & Emery, 28 State Street, Boston, MA 02109 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: **TIME CONSTRAINED SENSOR DATA RETRIEVAL SYSTEM AND METHOD**



(57) Abstract: A system and method for time constrained retrieval of sensor data includes a sensor monitor system (150) coupled to a plurality of sensors (102-110), wherein each sensor is coupled to a device (101-109) having a variety of variable parameters to be sensed at intervals within a given timeframe. When at least some of the parameter values are relatively stable within the intervals, the sensor monitor system (150) selectively requests parameter values from only a subset of the sensors at one or more interval. However, preferably, a parameter value is obtained for each parameter at least once within the timeframe values for each parameter, regardless of the interval from which each parameter value was obtained.

WO 01/35365 A1



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.