

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
11 July 2019 (11.07.2019)



(10) International Publication Number
WO 2019/135706 A1

(51) International Patent Classification:

G04C 9/00 (2006.01) G04B 19/04 (2006.01)
G04B 1/00 (2006.01)

(21) International Application Number:

PCT/SG2018/000012

(22) International Filing Date:

26 December 2018 (26.12.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

201841000785 08 January 2018 (08.01.2018) IN

(71) Applicant: **KAHA PTE. LTD.** [SG/SG]; 81, Ayer Rajah Crescent, #02-42, Singapore 139967 (SG).

(72) Inventor: **SHANTHARAM, Sudheendra**; 170/D-1, 5TH Main, 3rd Phase, JP Nagar, Bengaluru 560078, Karnataka (IN).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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,

(54) Title: AN ENERGY CONSERVING TIME DISPLAY DEVICE AND A METHOD THEREOF

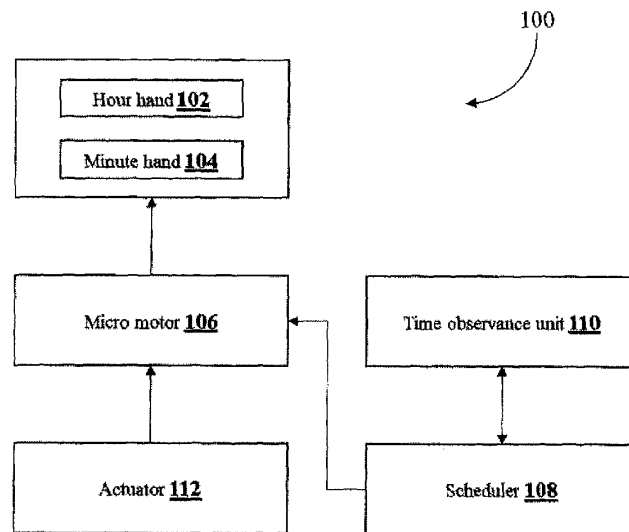


FIG. 1

(57) Abstract: The present invention discloses an energy saving time display device and a method for energy conservation. The energy saving time display device includes an hour hand and a minute hand for indicating the time, at least one micro motor for driving the hour hand and the minute hand to characterize the time, a scheduler coupled to the micro motor to schedule the movement of the hour hand and the minute hand, a time observance unit configured to keep track of the current time and an actuator coupled to the micro motor to actuate the micro motor from a first state to a second state. The method includes the step of scheduling a schedule of the first state and the second state of the micro motor by the scheduler and executing the schedule set by the scheduler. The micro motor is configured to function for a user specified period of time.

[Continued on next page]



WO 2019/135706 A1

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to the identity of the inventor (Rule 4.17(i))*
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *of inventorship (Rule 4.17(iv))*

Published:

- *with international search report (Art. 21(3))*