

(54) Title of the invention : SMART HOST MICROCONTROLLER FOR OPTIMAL BATTERY USAGE

(51) International classification :H02J0007000000, B25J0005000000, G05D0001020000, B63G0008000000,
 F41H0007000000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
 1)St. Martin's Engineering College
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
 1)Dr. P. Santosh Kumar Patra Professor, Dept. of CSE, SMEC
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 2)Mr. K. V. Govardhan Rao, EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 3)Mr. B. Sreeram Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 4)Mr. A. Tejith Reddy Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 5)Ms. G. Nandini Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 6)Ms. A. Simaran Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 7)Ms. K. Tejaswini Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 8)Mr. CH. Kumar Teja Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 9)Ms. K. Lasya Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 10)Mr. K. Abhinav Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 11)Mr. P. Vinod Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 12)Mrs. T. V. Sai Kalyani EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 13)Ms. P. Sri Varsha Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 14)Mr. V. Karthik Reddy Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 15)Ms. D. Sri Divya Student EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----
 16)Mr. K. Mallikarjuna Reddy, Student, EEE
 Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----

(57) Abstract :

This project focuses on the planning associated construction of an improvement charging system for Li-Po batteries by suggests that of half-track star panels. Thus, the implementation of an entire energy management system applied to a robotic exploration vehicle is advance. The projected system was tested on the robotic platform an autonomous remote-controlled exploration vehicle specialized in recognition. The interest of this robotic system lies within the style thought, supported a wise microcontroller. On this basis, our proposal makes a twofold vital contribution. The aim is finishing the method of charging electric battery severally whereas the opposite battery provides all the energy consumed by the robotic vehicle. The projects mainly works on when the battery supply in between 8-12v then only robot moves through Bluetooth, when the battery in between 8-4v then only load on, in case supply goes to below 4v then battery charged from solar.

No. of Pages : 11 No. of Claims : 6