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(71)Name of Applicant :

1)RATHINAM ANGAMUTHU

Address of Applicant :Ammamet, Salem -----

2)Paavai Engineering College

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr.C.Arulkumar

Address of Applicant :Assistant Professor, Department of EEE, Paavai Engineering College Namakkal -----

2)T.Nandagopal

Address of Applicant :Assistant Professor, Department of EEE, Paavai Engineering College Namakkal -----

3)R.Muthukumar

Address of Applicant :Assistant Professor, Department of EEE, Paavai Engineering College Namakkal -----

4)Dr.G.Balaji

Address of Applicant :Professor, Department of EEE Paavai Engineering College Namakkal --

5)R.Vignesh

Address of Applicant :Student/EEE Department of EEE Paavai Engineering College Namakkal -----

6)S.Harish

Address of Applicant :Student/EEE Department of EEE Paavai Engineering College Namakkal -----

7)S.Sanjay

Address of Applicant :Student/EEE Department of EEE Paavai Engineering College Namakkal -----

8)R.Kameshkumar

Address of Applicant :Student/EEE Department of EEE Paavai Engineering College Namakkal -----

9)R.Nithish

Address of Applicant :Student/EEE Department of EEE Paavai Engineering College Namakkal -----

10)R.Indhuprakash

Address of Applicant :Student/EEE Department of EEE Paavai Engineering College Namakkal -----

11)Dr.A.Rathinam

Address of Applicant :Professor, Department of EEE Paavai Engineering College Namakkal --

12)R.Satheeshkumar

Address of Applicant :Assistant Professor, Department of EEE Paavai Engineering College Namakkal -----

(57) Abstract :

A gardening tool such as a grass trimmer is provided with a tool head, a motor for driving the tool head, a front housing for accommodating the motor, a trigger switch for activating the motor, a trigger operable to control the trigger switch, a battery pack for providing electric energy to the motor, a circuit board for electrically connecting the motor to the battery pack, and a rear housing for accommodating the circuit board. The rear housing forms a housing chamber for accommodating the trigger switch, the circuit board, and wires between the circuit board and the trigger switch. A battery powered grass trimmer includes a battery pack that powers an electric motor to generate a rotary output and a cutting line adapted to be rotatably driven by a line support structure. By introducing a reduction gear stage between the motor output and the line support structure, the speed at which the line is rotated is reduced which substantially reduces the power consumption of the trimmer without reducing the cutting performance of the line.

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