

ABSTRACT

A permanent magnetic generator comprises a base 21 having fixedly a first magnetic body 23; a stator member 35 horizontally disposed above the base 21 through support members 27 and has a stator support 36; a drive-motor support 50 horizontally disposed and fixed to the support members 27 such that a space 61 is formed above the stator member 35; a rotary shaft 55 penetrates a first center hole 42 formed in the stator support 36 and a second center hole 51 formed in the drive-motor support 50 and is supported by means of bearing 43 and 52; a rotor 60 fixed to the rotary shaft 55 to be located within the space 61 and has annular permanent magnets 65 that face stator windings 38 of the stator member 35; a second magnetic body 56 fixedly attached to the projected lower end 55a of the rotary shaft 55 such that the second magnetic body 56 floats due to a repulsive force generated between the first and second magnetic bodies 23 and 56; a bearing member 80 attached to the drive-motor support 50 in order to support the rotary shaft 55 urged upward through the second magnetic body 56; and a drive motor 70 which is fixed to the drive-motor support 50 and is adapted to rotate the rotary shaft 55 through power transmission means 74 and 75 such that it allows a rotary performance of the rotary shaft improve.