Research of Permanent Magnetic Regenerative Braking Device

Kong, Xiangzhou

In order to save energy, reduce emissions and benefit society , I invented the device for recovering the braking energy.The regenerator has the function of assisting in braking the vehicle,this function further enhance efficiency of energy recovery. Based on the principle of rare earth permanent magnets I have improved the characteristics of Nd-Fe-B permanent magnets through the structure design and made my device to get more than 78% efficiency of energy recovery . The device has high efficiency, low cost, small volume, simple structure and strong stability, it is easily designed to fit various automobiles.

Awards Won: