

عنوان مقاله:

Designing a 18/12 Three Phase Switched Reluctance Machine for Electric Bicycles

محل انتشار:

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خلاصه مقاله:

Electric transformation has drawn attention due to air pollution and environmental problems in recent years. One of these devices is electric bicycle. On this basis, in this paper, an 18/12 three phase switched reluctance machine which is appropriate for electric bicycle is presented. In order to achieve optimal dimensions and maximum torque, all designing process are analyzed with finite element analyze. The designed motor has a simple structure and can be mounted and used on any bicycle

کلمات کلیدی:

Electric bicycle , Phase switched reluctance machine, Finite element analyze

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