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HARNESSING ELECTRICAL ENERGY FROM SOUND USING PIEZOELECTRIC FILM

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Abstract

Energy crisis is the talk of the world today. There have been many inventions and discoveries but the future of those innovations has been jeopardized due to the non-availability of resources. There are many energy resources which have not been explored yet. One such viable option which has been underused is the sound energy. Sound is a freely and vastly available renewable source of energy. As sound is mechanical wave comprising of vibrations, sound energy can be converted into electrical energy by making use of the piezoelectric film/sheet. This paper proposes to harness electricity from sound vibrations and finally making power unavailability a thing of the past.

Keywords : Energy crisis, sound, renewable source, vibrations, piezoelectric film/sheet.

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