Abstract

In this paper, we present the concept of transmitting power without using wires i.e., transmitting power as microwaves from one place to another is in order to reduce the transmission and distribution losses. This concept is known as Microwave Power transmission (MPT). We also discussed the technological developments in Wireless Power Transmission (WPT). The advantages, disadvantages, biological impacts and applications of WPT are also presented.

Reference

Wireless Power Transmission - A Next Generation Power Transmission System


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Index Terms

Power Engineering          Power Transmission

Key words

Microwave Power transmission (MPT)

Nikola Tesla

Rectenna

Solar Power Satellites (SPS)

Wireless Power transmission (WPT)