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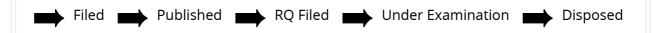Government of India

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TITLE OF INVENTION	A Series Capacitive Compensation Technique with Design Based Iterative Algorithm for Mitigation of Ferranti Effect in EHV and UHV Power Transmission Systems
FIELD OF INVENTION	ELECTRICAL
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(57) Abstract :
Currently all FACTS devices are aiming at improvement in power transmission system performance. A simple, robust and flexible device has been invented for further in continuation of research in power sector. Current invention related to series capacitive compensation, which is novel technique has been discovered. This simple device is used to get rid of all complexity in control of various FACTS devices can be avoided and can be effectively implement it in practical systems and is most use full in all no load and loading conditions of Electric Transmission Systems. The novel invention related to implementation of series capacitive compensation, which is novel technique has discovered in order to avoid the complexity of FACTS devices and their control. This simple device is used to get rid of all complexity in control of various FACTS devices can be avoided and can be effectively implement it in practical systems.

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