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CALCULATION OF THE PAYBACK PERIOD FOR THE INTRODUCTION OF REACTIVE POWER SOURCES INTO POWER SUPPLY SYSTEMS

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ABSTRACT

At present, the sources of reactive power are widely used in telecommunication facilities that have windings (electric motors, transformers, etc.) in the design. To manage these sources, necessary to introduce new technical means and elements, including microprocessor blocks. Combined control of reactive power sources and voltage regulation with the help of a microprocessor-based unit of electric receivers of telecommunication objects turns out to be technical and economical not only for reactive power sources, but also for lowering transformers of the power supply system.

KEYWORDS: *Compensation, Electric Motors, Transformers, Reactive Power, Microprocessor Control Units, Active Power, Connection, Voltages.*

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