

عنوان مقاله:

NEW GENERATION VOLTAGE REGULATORS WITH MICROPROCESSOR FOR AUTOMATIC CONTROL OF
POWER TRANSFORMERS WITH ON-LOAD TAPCHANGERS

محل انتشار:

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خلاصه مقاله:

Automatic voltage regulation of power transformers by means of on- load tap -changers (OLTC) is vitally necessary in today's electrical networks and industrial processes. The author's company has an early recognized of this important issue and after several years of research has developed a new microprocessor technique which leads to a new generation in automatic voltage regulations. The microprocessor voltage regulator has a dvantage to bloek the undesired tap changing operation which could be a case in present analogues regulators. An outlook on the advantages of this new microprocessorcontrolled voltage regulators is giver very briefly in this paper. The main advantages of this technique compared with the conventional analogue voltage regulators used for many years in electrical networks and industries are briefly as follows: - Intercommunication capability - Higher measuring accuracy - Absolute setting accuracy of the parameters - New concept for parallel operation of power transformers - Full compatibility with analogue voltage regulators in ser vice

کلمات کلیدی:

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