

Title (en)
HIGH-CAPACITY THREE-PHASE COMBINED TYPE PHASE-SHIFT TRANSFORMER

Title (de)
DREIPHASIGER KOMBINIRTER PHASENVERSCHIEBUNGSWANDLER MIT HOHER KAPAZITÄT

Title (fr)
TRANSFORMATEUR DÉPHASEUR TRIPHASÉ DU TYPE COMBINÉ DE FORTE CAPACITÉ

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Application
EP 15868363 A 20151204

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Abstract (en)
[origin: EP3232452A1] The present invention relates to a high-capacity three-phase combined type phase-shift transformer, comprising: three single-phase transformers, which are respectively used as a phase A, a phase B and a phase C and are combined with one another to form a three-phase transformer. Each single-phase transformer comprises a series transformer and an excitation transformer that are arranged in a same oil tank and are two devices independent of each other. A series transformer of each phase comprises a series coil and an excitation coil. The excitation transformer comprises a voltage regulation excitation coil and a voltage regulation coil. A head end of the voltage regulation excitation coil is connected to a center tap of a series coil of a series transformer of a same phase, and a tail end is used as a neutral point to be led out of the oil tank. A head end of the voltage regulation coil is led out of the oil tank to be connected to an angular joint of excitation coils of the other two phases, and a tail end is used as a neutral point to be led out of the oil tank. The present invention is simple in structure, can reduce the voltage level of a tap switch, can simplify a connection structure between various devices, reduces the mounting difficulty, and has high practicality in high-capacity and high-voltage-level phase-shift transformers.

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Cited by
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