

Title (en)
DEVICE FOR REGULATING ELECTRICAL VOLTAGE

Title (de)
EINRICHTUNG ZUR REGELUNG DER ELEKTRISCHEN SPANNUNG

Title (fr)
DISPOSITIF DE REGLAGE DE LA TENSION ELECTRIQUE

Publication
EP 1794661 A1 20070613 (DE)

Application
EP 05775005 A 20050722

Priority
• EP 2005007999 W 20050722
• DE 102004046926 A 20040928

Abstract (en)
[origin: US7656138B2] An apparatus for regulating electrical voltage in multiphase power mains has a control transformer having for each phase of the power mains a primary winding and a control winding having three taps. The second tap is connected centrally between the first and third taps and to one of the ends of the primary winding. This control winding has winding lengths between the first and second taps and second and third taps equal to a whole-number multiple of a winding length of the primary winding. Three circuit elements have inputs connected to the taps. A reactor winding has ends connected to outputs of the first and second circuit elements, while the output of the third circuit element electrically connected to the output of the first circuit element. A further circuit element is connected across the reactor winding, and an output is connected to a center of the reactor winding.

IPC 8 full level
G05F 1/20 (2006.01)

CPC (source: EP KR US)
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