

Title (en)
WINDING CONNECTION TO SUPPLY THREE-PHASE POWER FROM A TWO-PHASE FEEDING AND 2X3 DISTRIBUTION TRANSFORMER

Title (de)
WICKELVERBINDUNG ZUR LIEFERUNG VON DREIPHASEN-LEISTUNG AUS EINER ZWEIPHASIGEN ZUFÜHRUNG UND 2X3-
VERTEILUNGSTRANSFORMATOR

Title (fr)
CONNEXION D'ENROULEMENT POUR FOURNIR UN COURANT TRIPHASÉ À PARTIR D'UNE ALIMENTATION DIPHASÉE ET
TRANSFORMATEUR DE DISTRIBUTION 2X3

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Application
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Abstract (en)
[origin: WO2010086793A1] The present invention provides a winding connection allowing provide a three-phase and/or single-phase system, from a two-phase feeding. Said connection is configured in primary windings as an inverted V and in secondary windings in a connection herein called "delta series" (I). In another embodiment, the invention provides a distribution transformer with 2x3 electric power, providing three-phase tension (X, Y, Z) with neutral availability in the low tension side through windings connected in delta series (I), with a inverted V winding configuration in the primary side, which are fed from only two phases (U, W) of the distribution system, with both high tension and low tension windings mounted on a same magnetic core. The transformer of the invention also provides a substantial reduction in the total losses level.

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