Title (en)

THREE-PHASE/TWO-PHASE ROTARY TRANSFORMER INCLUDING A SCOTT CONNECTION

Title (de)

DREIPHASIGER/ZWEIPHASIGER DREHTRANSFORMATOR MIT EINER SCOTT-VERBINDUNG

Title (fr)

TRANSFORMATEUR TOURNANT TRIPHASE-DIPHASE A CONNEXION SCOTT

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Application

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Abstract (en)

[origin: WO2014029941A1] The invention relates to a three-phase/two-phase rotary transformer (10) characterised in that it comprises a first single-phase rotary transformer (11) and a second single-phase rotary transformer (21). The first transformer (11) comprises a first body (12) defining a first slot (14), a first coil (16) in the first slot (14), a second body (13) defining a second slot (15) and a second coil (17) in the second slot (15). The second transformer (21) comprises a third body (22) defining a third slot (24), a third coil (26) in the third slot (24), a fourth body (23) defining a fourth slot (25), and a fourth coil (27) in the fourth slot (25). A terminal of the first coil (16) is connected to the mid-point of the second coil (26). The first body (12), the first coil (16), the third body (22) and the third coil (26) form a three-phase part (31) of the transformer (10), while the second body (13), the second coil (17), the fourth body (23) and the fourth coil (27) form a two-phase part (32) of the transformer (10), said three-phase part (31) and said two-phase part (32) being mobile in rotation about axis A in relation to one another.

IPC 8 full level

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