

Title (en)

ROTARY TRANSFORMER AND ROTATING MACHINE COMPRISING SUCH A ROTARY TRANSFORMER

Title (de)

DREHTRANSFORMATOR UND DREHMASCHINE MIT EINEM SOLCHEN DREHTRANSFORMATOR

Title (fr)

TRANSFORMATEUR ROTATIF ET MACHINE TOURNANTE COMPORTANT UN TEL TRANSFORMATEUR ROTATIF

Publication

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Application

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Abstract (en)

[origin: WO2021099743A1] The invention relates to a three-phase rotary transformer (202) comprising first, second and third primary coils (211, 212, 213) associated with first, second and third secondary coils (221, 222, 223), respectively. The second primary (212) and secondary (222) coils each comprise a first and second sub-coil (212A, 212B, 222A, 222B). Each of the first and third coils (211, 213, 221, 223) being housed together with a respective sub-coil (212A, 212B, 222A, 222B) of the second coil (212, 222) in a first and second housing (231A, 231B, 232A, 232B, 241A, 241B, 242A, 242B) of a slot (231, 232, 241, 242) of a magnetic body (230, 240), respectively. For each slot (231, 232, 241, 242), the housing (231A, 232A, 241A, 242A) corresponding to a sub-coil (212A, 212B, 222A, 222B) has an axial dimension (LA) larger than an axial dimension (LB) of the housing (231B, 232B, 241B, 242B) corresponding to the corresponding coil (211, 213, 221, 223).

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