

Title (en)

ISOTHERMAL SUPPORT AND VACUUM CONTAINER FOR SUPERCONDUCTING WINDINGS IN ROTARY MACHINES

Title (de)

ISOTHERME ABSTÜTZUNG UND VAKUUMBEHÄLTER FÜR SUPRALEITENDE WICKLUNGEN IN ROTIERENDEN MASCHINEN

Title (fr)

SUPPORT ISOTHERME ET RÉCIPIENT À VIDE POUR ENROULEMENTS SUPRACONDUCTEURS DANS DES MACHINES ROTATIVES

Publication

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Application

EP 15741802 A 20150324

Priority

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- EP 2015056280 W 20150324

Abstract (en)

[origin: CA2950371A1] The invention relates to a rotary machine (1), in particular a synchronous machine, with cold superconducting windings (9) arranged in a warm soft-magnetic rotor body (3). The invention is characterised in that two adjacent windings (9) are arranged between every two adjacent soft-magnetic pole bodies (11) and are fastened by means of support elements (7) in a common pair of vacuum containers (13) in order to achieve thermal insulation, and the two windings (9) are isothermally interconnected at their mutually facing sides by means of at least one common support and/or traction element (7a).

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2015180860A2

Citation (examination)

US 6803684 B2 20041012 - WANG YU [US], et al

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