

Title (en)

SUPERCONDUCTING COIL DEVICE COMPRISING A COIL WINDING

Title (de)

SUPRALEITENDE SPULENEINRICHTUNG MIT SPULENWICKLUNG

Title (fr)

DISPOSITIF FORMANT BOBINE SUPRACONDUCTRICE POURVU D'UN ENROULEMENT

Publication

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Application

EP 13779543 A 20131010

Priority

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Abstract (en)

[origin: WO2014067759A1] The invention relates to a superconducting coil device comprising a coil winding (12, 30) that consists of a plurality of windings (W_j). The coil winding comprises at least one superconducting strip conductor (1) that has a strip-shaped substrate strip (2) and a superconducting layer (6) arranged on said substrate strip. The coil device is subdivided into a plurality of segments (S_j) in which adjacent windings (W_j, W_{j+1}) are cast or adhered together within each segment, adjacent windings being, at most, weakly connected or adhered together in at least one sub-region (22), in the intermediate region (20) between two adjacent segments (S_j, S_{j+i}).

IPC 8 full level

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