

Title (en)
ARMORED SUPERCONDUCTING WINDING AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
ARMIERTE SUPRALEITENDE WICKLUNG UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
ENROULEMENT ARMÉ SUPRACONDUCTEUR ET PROCÉDÉ POUR SA FABRICATION

Publication
EP 2059934 A1 20090520 (DE)

Application
EP 07802676 A 20070817

Priority
• EP 2007058557 W 20070817
• DE 102006041459 A 20060904

Abstract (en)
[origin: WO2008028789A1] The superconducting winding (2) is configured such that it has a band-shaped HTS conductor (4) of the Röbel-conductor type, made of band-shaped HTS individual conductors that are transposed among each other. An armoring band (5) is to be wound to the prefabricated HTS conductor (4), the band not being metallurgically connected to the HTS conductor (4) and being subject to a comparatively larger winding tension (WZ2). The armoring band (5) is wound at a winding tension (WZ2) that is at least 1.5 times, preferably at least 3 times as large as the winding tension (WZ1) of the HTS conductor (4).

IPC 8 full level
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H01F 6/06 (2013.01 - EP US); **H01F 41/048** (2013.01 - EP US); **H01F 41/061** (2016.01 - EP US); **H01F 2027/2838** (2013.01 - EP US); **Y10T 29/49014** (2015.01 - EP US)

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Designated extension state (EPC)
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