

Title (en)

METHOD FOR PRODUCING A COIL FROM A HIGH TEMPERATURE SUPERCONDUCTIVE MATERIAL, AND A HIGH TEMPERATURE SUPERCONDUCTIVE COIL WITH LOW ALTERNATING CURRENT LOSS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER SPULE AUS EINEM HOCHTEMPERATURSUPRALEITERMATERIAL UND HOCHTEMPERATURSUPRALEITENDE SPULE MIT GERINGEM WECHSELSTROMVERLUST

Title (fr)

PROCEDE DE PRODUCTION D'UNE BOBINE EN MATERIAU SUPRACONDUCTEUR HAUTE TEMPERATURE ET BOBINE SUPRACONDUCTRICE HAUTE TEMPERATURE A FAIBLE DEPERDITION EN COURANT ALTERNATIF

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Application

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Abstract (en)

[origin: WO9922386A2] According to the inventive method for producing a superconductive coil, a shaped body consisting of a material which is superconductive or which becomes superconductive upon subsequent heat treatment is coated with reinforcement agents and is given the geometric shape of the future coil. The invention also relates to a superconductive coil produced according to this method. Said inventive superconductive coil has low alternating current loss and consists of a highly textured superconductive material and is oriented in such a way that the platelet levels are directed considerably in the direction of the course of the coil. The coil is formed from a superconductive solid part.

IPC 8 full level

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