

Title (en)
SUPERCONDUCTING COIL ASSEMBLY

Title (de)
SUPRALEITENDE SPULENANORDNUNG

Title (fr)
BOBINES SUPRACONDUCTRICES

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Application
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Abstract (en)
[origin: WO0106524A2] The invention provides a portable, high power superconducting coil assembly for generating a magnetic field with an end piece, at least one pancake assembly adjacent to the end piece, the pancake assembly having superconductive material and a radial heat transfer plate, wherein the superconductive material is disposed between the radial heat transfer element and the end piece. A thermally conductive element having a thermally conductive connection with the end piece and the radial heat transfer element removes heat generated from the magnet during use. The invention also provides for a mandrel and a splice block having recessed channels therein in which the superconducting magnetic material is placed.

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