

Title (en)
VARIABLE PROFILE SUPERCONDUCTING MAGNETIC COIL

Title (de)
SUPRALEITENDE MAGNETSPULE MIT VARIABLEM PROFIL

Title (fr)
BOBINE MAGNETIQUE SUPRACONDUCTRICE A PROFIL VARIABLE

Publication
EP 0786141 B1 20030903 (EN)

Application
EP 95939529 A 19951013

Priority

- US 9513359 W 19951013
- US 32349494 A 19941013
- US 32282594 A 19941013
- US 54163995 A 19951010

Abstract (en)
[origin: WO9612288A1] Double pancake coils include a pair of pancake coils of different dimensions, and are wound from the same continuous length of superconducting wire. The double pancake coils are coaxially positioned and electrically interconnected along a longitudinal axis to provide a multi-coil superconducting magnetic coil assembly. Each of the double pancakes has at least one of its pancake coils electrically connected to at least another pancake coil of an adjacent double pancake coil having substantially the same outer dimension. The electrical connections between adjacent pancake coils are provided with relatively straight or "unbent" segments (81) of superconducting wire even through the inner and/or outer dimension profile of the superconducting magnetic coil assembly along its longitudinal axis varies.

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