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(54) Title: A METHOD FOR CONSTRUCTING A SUPERCONDUCTING MULTIPHASE CABLE COMPRISING N PHASES

(57) Abstract

By a method for constructing a superconducting multiphase cable comprising N phases, the phases are divided into n groups with N phases in each group, all the groups having a common screen. The individual groups may be geometrically formed with coaxial or flat phases. The individual phases in each group may further be divided into individual conductors such as tapes. The insulation between the individual conductors in the groups may be separately insulated from each other or have a common insulation. In a particularly appropriate embodiment, the number of groups is 1 and implemented with a flat or concentric geometry. In this way, a compact superconducting power cable is provided, which is relatively inexpensive in production and has few working operations while maintaining good electrical properties.

