

Title (en)

POWER FEED DEVICE FOR A CRYOGENIC CONDUCTOR AND METHOD FOR COOLING A POWER FEED DEVICE

Title (de)

STROMZUFÜHRUNGSEINRICHTUNG FÜR EINEN TIEFTEMPERATURLEITER UND VERFAHREN ZUR KÜHLUNG EINER STROMZUFÜHRUNGSEINRICHTUNG

Title (fr)

DISPOSITIF DE GUIDAGE DE COURANT POUR CONDUCTEUR BASSE TEMPERATURE ET PROCEDE DE REFROIDISSEMENT D'UN DISPOSITIF DE GUIDAGE DE COURANT

Publication

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Application

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Abstract (en)

[origin: WO2006084679A1] The invention relates to a power feed device (40) for a cryogenic conductor. Said power feed device comprises at least one conductor (41) that has a hot contact point and a cold contact point, connected to the cryogenic conductor, and at least one coolant channel that is delimited by the conductor (41) at least on one end. The invention is characterized in that the coolant channel comprises guide elements (53, 54) which are used to force a directional convection of the coolant in the coolant channel from the cold contact point to the hot contact point and to locally adjust the flow rate of the coolant.

IPC 8 full level

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