

Title (en)
CABLING SUBSYSTEM, CRYOSTAT, AND METHOD FOR ASSEMBLING A CABLING SUBSYSTEM TO A CRYOSTAT

Title (de)
VERKABELUNGSUNTERSISTEM, KRYOSTAT UND VERFAHREN ZUR ANORDNUNG EINES VERKABELUNGSUNTERSISTEMS MIT EINEM KRYOSTAT

Title (fr)
SOUS-SYSTÈME DE CÂBLAGE, CRYOSTAT, ET PROCÉDÉ D'ASSEMBLAGE D'UN SOUS-SYSTÈME DE CÂBLAGE À UN CRYOSTAT

Publication
EP 4012305 B1 20240221 (EN)

Application
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Priority
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Abstract (en)
[origin: EP4012305A1] A cabling subsystem for a cryostat comprises an instrument (401, 402, 417, 418, 801, 805) that comprises a temperature sensor (401, 417, 801), a heater (402, 418, 805), or a wired connector (1101), and a wired coupling (403, 404, 1004, 1102) thereto. An elongate enclosure (405) of low thermal conductivity has mechanical interfaces (406, 407) for joining to corresponding further structures (408, 409) of the cryostat in a gastight manner. Inside said enclosure (405) is an internal part (410, 411, 419, 420, 802, 806) of high thermal conductivity. Outside at the same location is an external part (412, 413, 421, 422, 803, 807) of high thermal conductivity. A thermally conductive connection exists between said internal part (410, 411, 419, 420, 802, 806) and said external part (412, 413, 421, 422, 803, 807). The instrument (401, 402, 417, 418, 801, 805) and/or the wired coupling (403, 404, 1004, 1102) is attached to said internal part (410, 411, 419, 420, 802, 806) inside the enclosure (405).

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