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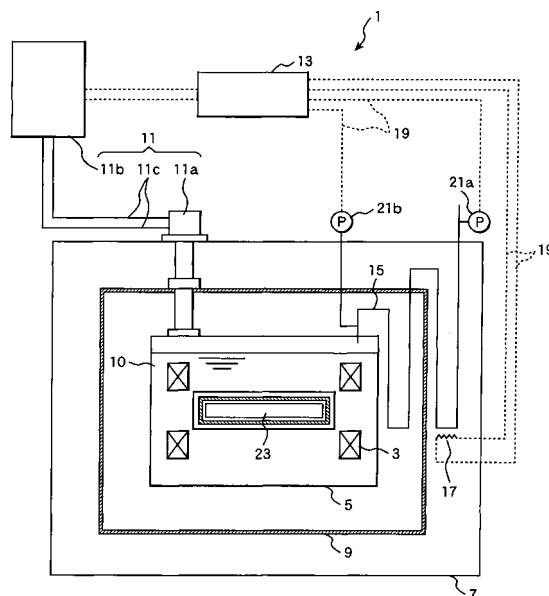
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(54) **Superconducting magnet apparatus**

(57) A superconducting magnet apparatus comprising a coil container for accommodating superconducting coils and liquefied cooling medium for cooling the coils down to the critical temperature or lower of a superconductor constituting the coils, a vacuum chamber for accommodating the coil container and for vacuum insulation from the atmosphere, and a conduit communicating the coil container at one end thereof and extending to the outside of the vacuum chamber at the other end. At least one heating device for heating the conduit is disposed at one or more positions of the conduit located within the vacuum chamber.

FIG. 1





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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 16 January 2008	Examiner Marti Almeda, Rafael
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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