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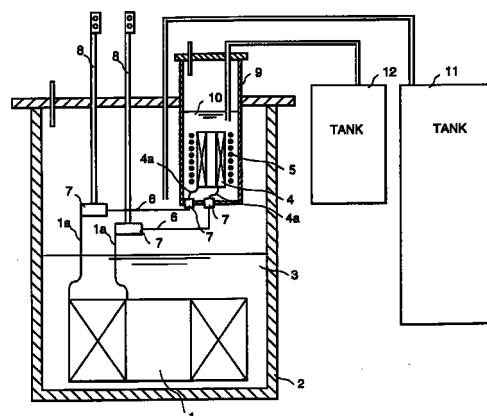
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(54) **Method of manufacturing oxide superconducting magnet system, oxide superconducting magnet system, and superconductive magnetic field generating apparatus**

(57) There is provided a method of manufacturing an oxide superconducting magnet system suitable to use an oxide superconductor in which parts of an oxide superconducting persistent current magnet comprising a superconducting magnet 1, a persistent current switch 4, and current leads 6 for superconductively connecting the superconducting magnet 1 and the persistent current switch 4 which are made of oxide superconducting materials are preliminarily formed in predetermined shapes and arrangement, connecting ends of the parts are come into contact with each other in connecting parts 7 and are simultaneously subjected to heat treatment for a partial melting followed by solidification to thereby make the parts including the connecting parts 7 superconductors, and after that, a cooling system of a predetermined construction necessary to operate the persistent current magnet is formed.

FIG. 1





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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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Y	HASE T ET AL: "Fabrication of superconductively jointed silver-sheathed Bi-2212 tape" CRYOGENICS, vol. 36, no. 1, 1996, page 21-25 XP004038090 * page 21, left-hand column, paragraph 1 - right-hand column, paragraph 1 *	1	
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			H01F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 April 1999	Examiner Vanhulle, R
CATEGORY OF CITED DOCUMENTS 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 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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 98 10 7121

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82