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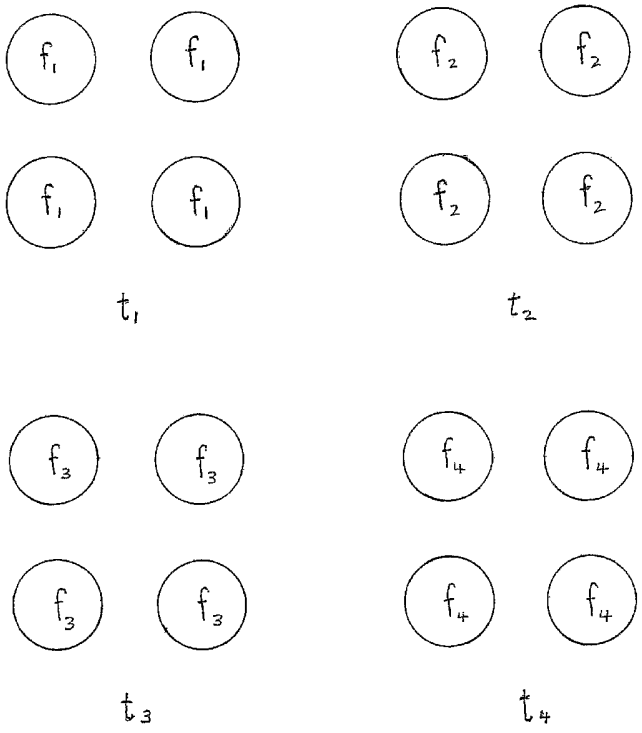
(54) Title: METHODS AND APPARATUS FOR SCANNING A BAND OF FREQUENCIES BY NQR USING AN ARRAY OF HIGH TEMPERATURE SUPERCONDUCTOR SENSORS



(57) Abstract: A hydrophobic insulation material includes a fibrous material having fibers with fiber surfaces, and a hydrophobic material on the fiber surfaces. An insulated fabric includes the fibrous material and a fabric, the insulation material being joined to the fabric at a plurality of discontinuous bonding points. The hydrophobic material is advantageously a fluoropolymer, and the fluoropolymer can be applied by submersing the fibers and/or the fabric attached to the fibers in a bath of hydrophobic imparting material . The resulting insulation material has excellent hydrophobic properties.

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A. CLASSIFICATION OF SUBJECT MATTER
INV. G01R33/44

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, INSPEC, WPI Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2005/059582 A (E.I. DUPONT DE NEMOURS AND COMPANY; LAUBACHER, DANIEL, B; MCCAMBRIDGE,) 30 June 2005 (2005-06-30) the entire document -/--	24, 27-31, 33-44

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y		19-21, 34-36, 40-42, 51,56-59

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Y	WO 99/50689 A (THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS) 7 October 1999 (1999-10-07) page 4, line 25 - page 5, line 9 page 6, line 30 - page 9, line 4 page 10, line 15 - page 12, line 3; figures 4,5	19,34, 40,57
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