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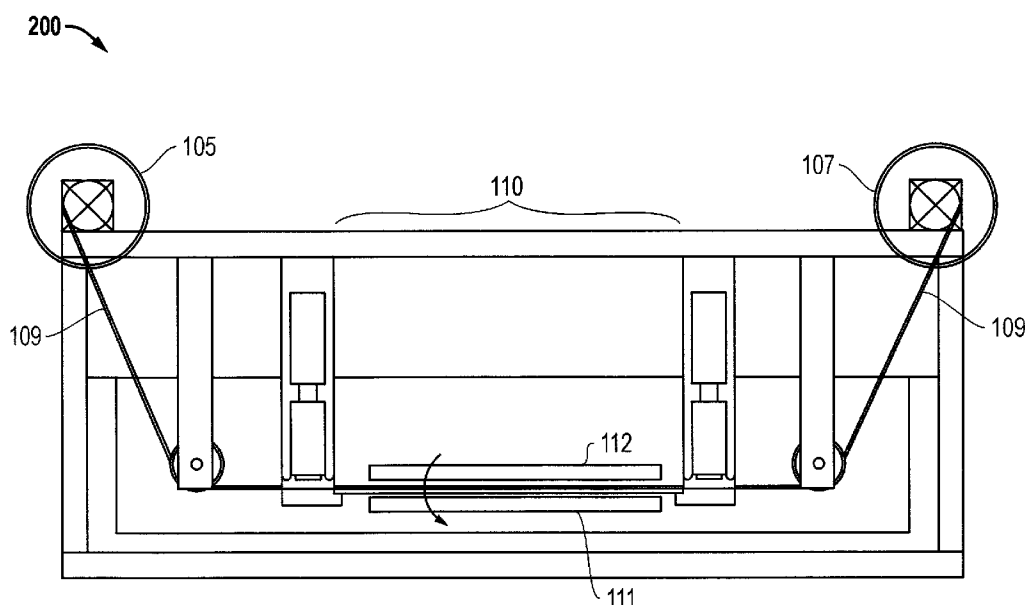
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(54) Title: METHOD OF FACILITATING SUPERCONDUCTING TAPE MANUFACTURING



(57) Abstract: A method of facilitating superconducting tape manufacturing is provided that includes forming a long-length superconducting tape having a layered structure, comprising a substrate having a dimension ratio not less than about 100, a buffer layer overlying the substrate, and a high temperature superconducting layer overlying the buffer layer. The method further includes characterizing the superconducting tape to create a data set having a plurality of values that are a function of length of the superconducting tape and distributing both the superconducting tape and the data set.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/62659

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H01L 39/24 (2007.10)

USPC - 505/430; 505/434

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC: 505/430; 505/434

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: all classes/subclasses (text search - see terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(USPT,PGPB,EPAB,JPAB); Google

Search Terms: superconducting, tape, wire, test, measurements, data, magnetic field, depth, width

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	MICROCOATING TECHNOLOGIES, INC. "On-Line Texture Diagnostics for Coated Conductor Manufacture" Project Summary, Final Report for U.S. DOE SBIR Phase I Contract No. DE-FG02-OIER83208 30 December 2002 (30.12.2002) [online]; downloaded from: http://www.google.com/search?q=cache:zhBTkPtH91cJ:www.osti.gov/bridge/servlets/purl/824132ekOjkc/native/+%22superconducting+tape%22+measurements+record+data&hl=en&ct=clnk&cd=33& downloaded on 1 January 2008. entire document especially pages 6, 8, 11, ad 22-33.	1-2, 4-9, and 15-22 ----- 3 and 10-14
Y	US 2005/0239659 A1 (XIONG et al.) 27 October 2005 (27.10.2005), entire document especially paragraph 11	3
Y	US 6,034,527 A (SCHILLER et al.) 07 March 2000 (07.03.2000), entire document especially the Abstract	10
Y	US 2005/0256011 A1 (IGNATIEV et al.) 17 November 2005 (17.11.2005), entire document especially Claim 28	11-14

☐ Further documents are listed in the continuation of Box C.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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