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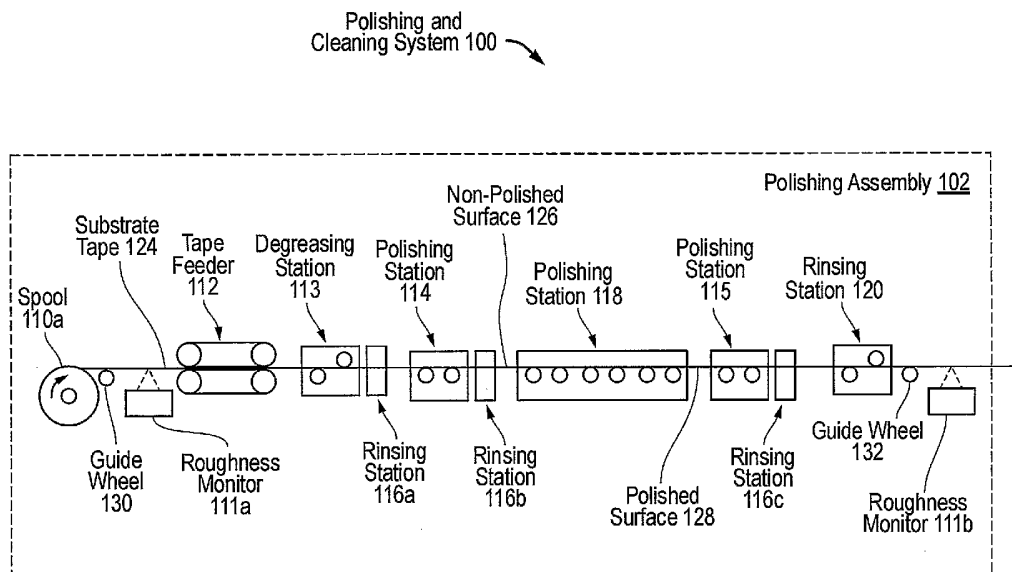
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(54) Title: SUPERCONDUCTOR FABRICATION PROCESSES



(57) Abstract: A method of forming a superconductive device is disclosed, which calls for cleaning a substrate having a dimension ratio of not less than about 10^2 , the cleaning including immersing the substrate in a fluid medium and subjecting the substrate to mechanical waves in the fluid medium, and depositing a superconductor layer to overlie the substrate.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/10405

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B05D 5/12**(2006.01);**H01L 39/24**(2006.01)

USPC: 427/62;505/401,410,411,434,470,740,742;204/192.24;29/599

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)

U.S. : 427/62; 505/401,410,411,434,470,740,742; 204/192.24; 29/599

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0016401 A (IGNATIEV ET AL.) 29 JANUARY 2004 (29.01.2004), ABSTRACT AND COL. 3 [0031]-[0033]	1-38
Y	NEMETSCHKE ET AL., CONTINUOUS COATED CONDUCTOR FABRICATION BY EVAPORATION", PRESENTED AT EUCAS, SEPTEMBER 14-18, 2003 IN SORRENTO ITALY	1-38
Y	GOYAL ET AL., "PROCESSING OF HIGH TEMPERATURE SUPERCONDUCTORS", CERAMIC TRANSACTIONS, VOL. 140, PP. 211-218	25,26
Y	US 6,251,834 A (GLOWACKI ET AL.) 26 JUNE 2001 (26.06.2001) ABSTRACT AND COL. 2, LINE 40 - COL. 3, LINE 30	15-21



Further documents are listed in the continuation of Box C.



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* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"B"	earlier application or patent published on or after the international filing date	"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
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"O"	document referring to an oral disclosure, use, exhibition or other means		
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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/10405

Continuation of B. FIELDS SEARCHED Item 3:
EAST: SUPERCONDUCTOR, TAPE, WIRE, ELONGATED, CLEANING, POLISHING, PRETREATMENT, ULTRASONIC,
MECHANICAL, WAVES