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(54) Title: HIGH TEMPERATURE SUPERCONDUCTOR CABLE

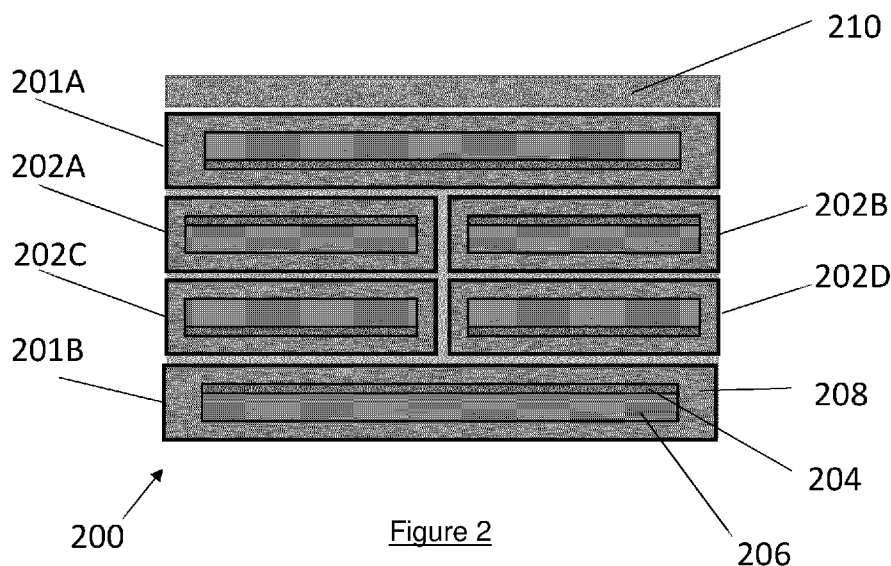


Figure 2

(57) Abstract: A cable for carrying electrical current in a coil of a magnet. The magnet comprises an HTS transport tape and a shunt assembly comprising two or more HTS shunt tapes arranged side-by-side across a face of the transport tape. Each of the transport and shunt tapes comprises a substrate layer and an HTS layer of high temperature superconductor (HTS) material, the layers of the shunt tapes extending parallel to the layers of the transport tape.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. H01F6/06 H01B12/06 G21B1/05
ADD.

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)

H01F H01B G21J G21B

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 practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	WO 2015/011491 A1 (MCDUGALL IAN LEITCH [GB]) 29 January 2015 (2015-01-29) abstract page 4, line 12 - page 13, line 16 page 15, line 4 - page 16, line 27 page 17, lines 5-10 page 18, line 8 - page 22, line 26; figures 1a,1b,2-4,5a,5b page 24, lines 6-24 page 25, lines 15-28 page 27, line 1 - page 32, line 15 page 33, line 15 - page 34, line 14 claims 1-4,7,8,9,10,15	1-5, 15-18 8-13,19 6,7,14
Y	JP 2011 222346 A (TOSHIBA CORP) 4 November 2011 (2011-11-04) abstract; figures 1-4,11-13,17-19 ----- -/-	8,9,12, 13



Further documents are listed in the continuation of Box C.



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"&" document member of the same patent family

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International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2018/078326 A1 (TOKAMAK ENERGY LTD [GB]) 3 May 2018 (2018-05-03) abstract page 5, line 25 - page 8, line 20 page 10, line 19 - page 21, line 28 figures 1,3,7,11a,11b,12,13 -----	10,11,19

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2015011491	A1	29-01-2015	NONE

JP 2011222346	A	04-11-2011	NONE

WO 2018078326	A1	03-05-2018	EP 3533069 A1 04-09-2019
		US 2019267171 A1 29-08-2019	
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