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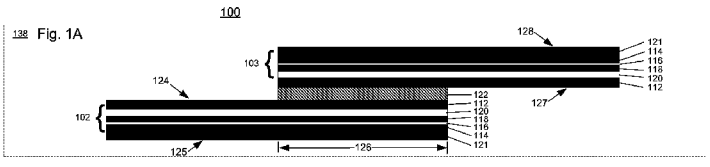
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(54) Title: GENERATION OF A SPLICE BETWEEN SUPERCONDUCTOR MATERIALS



(57) Abstract: Technologies are described for methods and systems to generate a splice between a first and a second piece of conductor material. The methods may comprise identifying a first overlap area for the first piece on a first conductive surface. The first piece may include the first conductive surface and a first non-conductive surface. The methods may comprise identifying a second overlap area for the second piece on a second conductive surface. The second piece may include the second conductive surface and a second non-conductive surface. The methods may comprise pre-tinning the first and second overlap areas with solder to produce first and second pre-tinned areas. The methods may comprise stacking the first and second pieces so that the first and second pre-tinned areas are in contact and applying heat to the first non-conductive surface sufficient to melt the solder and generate the splice between the first and second pieces.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

H01B 13/02(2006.01)i, H01B 7/02(2006.01)i, H01B 1/08(2006.01)i, H01B 17/52(2006.01)i

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)
H01B 13/02; H01R 9/11; H01L 39/00; H01B 12/00; H01B 12/02; H01R 4/68; H01B 7/02; H01B 1/08; H01B 17/52

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords: splice, conductor material, rare earth, barium copper oxide

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2012-0010084 A1 (ALEXANDER OTTO et al.) 12 January 2012 See paragraphs [0009]-[0010], [0045]-[0062] and figures 1-2F.	15-18
Y		1-14
A		19-20
Y	WO 2005-053044 A2 (AMERICAN SUPERCONDUCTOR CORPORATION) 09 June 2005 See page 2, lines 10-14 and figures 1-3C.	1-14
A	US 2002-0144838 A1 (LESLIE G. FRITZEMEIER et al.) 10 October 2002 See abstract, claim 1 and figures 1A-4B.	1-20
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A	WO 01-08233 A2 (AMERICAN SUPERCONDUCTOR CORPORATION) 01 February 2001 See abstract, claim 1 and figures 1A-4B.	1-20

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

☒ See patent family annex.

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"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
"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
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Information on patent family members

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