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(54) Title: THERMALLY CONDUCTIVE PERIODICALLY STRUCTURED GAP FILLERS AND METHOD FOR UTILIZING SAME

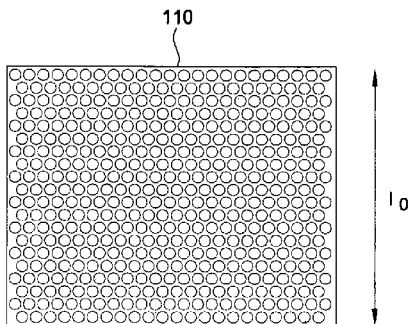


FIG. 1A

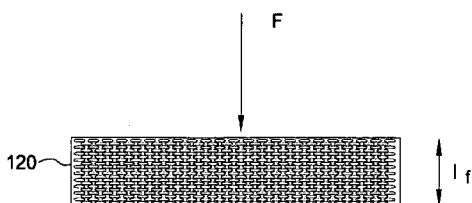


FIG. 1B

(57) Abstract: A method for conducting heat between a heat source and a heat sink includes disposing under a compressive force therebetween a plurality of thermally conducting unit cell structures that mechanically cooperate to form thereby a body structure having an aggregate thermal conductivity that changes in response to a compressive force exerted thereon, wherein an amount of said plurality of thermally conducting unit cell structures disposed therein is selectable to affect thereby a desired aggregate thermal conductivity in response to the compressive force.



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B. FIELDS SEARCHED

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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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	US 5 658 831 A (LAYTON WILBER TERRY [US] ET AL) 19 August 1997 (1997-08-19) the whole document	1-7, 9, 10
Y	WO 01/16968 A (FDK CORP [JP]; NAKAYAMA YASUJI [JP]; ISHIKURA MAKOTO [JP]; KONDA JUNJI) 8 March 2001 (2001-03-08) abstract	8
A	US 2006/286712 A1 (BRUNSCHWILER THOMAS J [CH] ET AL BRUNSCHWILER THOMAS J [CH] ET AL) 21 December 2006 (2006-12-21) claim 1	1, 9, 10
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See patent family annex.

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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.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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