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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR MAINTAINING A MINIMUM TEMPERATURE IN A FLUID

(57) Abstract: Apparatus and method for maintaining temperature in a sub-sea device, in particular in relation to fluid in the device (100). A material having a high latent heat on phase change is used to release latent heat to the fluid when the fluid temperature decreases towards a threshold value.

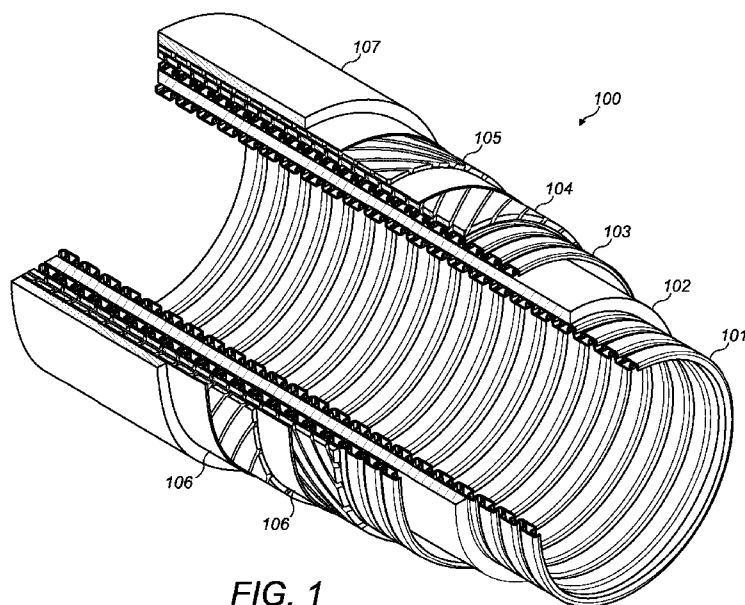


FIG. 1



EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. F16L59/02 F16L59/153
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)
F16L

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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/074463 A2 (ASPEN AEROGELS INC [US]; LEESER DANIEL L [US]; BLAIR CHRISTOPHER [US];) 13 July 2006 (2006-07-13) abstract; figures page 25, line 15 - page 26, line 12 -----	1-50
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X	DE 103 08 801 A1 (ABB RESEARCH LTD [CH]) 9 September 2004 (2004-09-09) abstract; figures -----	41



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See patent family annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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