Title (en)
HEAT PIPE COMPRISING A CUT-OFF GAS PLUG

Title (de)
WÄRMEROHR MIT ABGESCHIRMTEM GASSTECKER

Title (fr)
CALODUC COMPORTANT UN BOUCHON GAZEUX DE COUPURE

Publication
EP 2981781 B1 20190612 (FR)

Application
EP 14718664 A 20140324

Priority
• FR 1352659 A 20130325
• FR 2014050674 W 20140324

Abstract (en)
[origin: WO2014154984A1] The invention relates to a device which comprises a sealed enclosure (18, 22, 26, 28) containing a fluid, (38) the liquid phase of which is in equilibrium with the vapour phase, the enclosure (18, 22, 26, 28) being divided into a first space (18, 22, 26) and a second space (28) communicating via a passage (32, 34), the second space (28) comprising a vessel (36) in communication with the passage (32, 34) and capable of containing the fluid in liquid phase when the device is in a predetermined position (D). The second space (28) contains a non-condensable gas (40) that is not soluble in the liquid phase of the fluid (38), and said gas (40) and the second space (28) are selected such that, when the device is placed in the predetermined position (D), said gas (40): at least partially fills the passage (32, 34) when the temperature of the gas is lower than a first predetermined temperature (Tlim max) of the temperature range; and clears the passage (32, 34) when the temperature of the gas is higher than the first predetermined temperature (Tlim max) of the temperature range.

IPC 8 full level
F28D 15/04 (2006.01); **F28D 15/06** (2006.01)

CPC (source: EP)
F28D 15/04 (2013.01); **F28D 15/06** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
FR 3003636 A1 20140926; **FR 3003636 B1 20170113**; EP 2981781 A1 20160210; EP 2981781 B1 20190612; PL 2981781 T3 20190930; WO 2014154984 A1 20141002

DOCDB simple family (application)
FR 1352659 A 20130325; EP 14718664 A 20140324; FR 2014050674 W 20140324; PL 14718664 T 20140324