

Title (en)
EMERGENCY RELEASE AND COUPLING DEVICE

Title (de)
NOTLÖSE- UND KUPPLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ACCOUPLEMENT ET DE DÉTACHEMENT D'URGENCE

Publication
EP 4281696 A1 20231129 (FR)

Application
EP 22700654 A 20220117

Priority
• FR 2100472 A 20210119
• EP 2022050825 W 20220117

Abstract (en)
[origin: CA3205306A1] Self-closing emergency release and coupling device for the transport of cryogenic fluid comprising two pipes (2, 3) extending in a longitudinal direction and each comprising, at a connection end, a valve mechanism (4, 6, 8; 5, 7, 9) configured to automatically close the pipe when the connection ends are separated and to open the pipe when the connection ends are coupled, the device (1) further comprising a tube (10, 11) arranged around each pipe (2, 3) and defining a vacuum space for thermally insulating the pipeline (2, 3), the device (1) is characterized in that it further comprises a chamber (18, 19) disposed around the valve mechanism (4, 6, 8; 5, 7, 9) and delimited by a wall assembly (s) (12, 13) located (s) between the outer tube (10, 11) and the transport pipe (2, 3), the volume of the insulation chamber (18 19) being independent of the vacuum space between the outer tube (10, 11) and the transport pipe (2, 3).

IPC 8 full level
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