Title (en)

Facility and method for supplying liquid xenon

Title (de)

Anlage und Verfahren zur Versorgung mit flüssigem Xenon

Title (fr)

Installation et procédé pour fournir du xénon liquide

Publication

EP 2618038 A3 20180411 (FR)

Application

EP 13151810 A 20130118

Priority

FR 1250559 A 20120119

Abstract (en)

[origin: EP2618038A2] The installation (1) has a thermal insulation equipment arranged to thermically insulate a container (4) by a layer (14). The container includes walls (6) whose form and thickness (E6) are selected such that the container withstands working pressure developed by xenon mass working at a gas state at temperature of approximately 300 Kelvin. The pressure lies between 60 bars and 80 bars. An overpressure limiting device is connected to the container and calibrated to limit overpressure to a value greater or equal to the working pressure. An independent claim is also included for a method for supplying liquid xenon to a cryostat for an imaging system or a detection system.

IPC 8 full level

F17C 9/00 (2006.01); **F17C 6/00** (2006.01); **F17C 7/02** (2006.01)

CPC (source: EP)

F17C 6/00 (2013.01); **F17C 7/02** (2013.01); **F17C 9/00** (2013.01); **F25J 1/0005** (2013.01); **F25J 1/0221** (2013.01); **F25J 1/0261** (2013.01); F17C 2201/0104 (2013.01); F17C 2201/0128 (2013.01); F17C 2201/054 (2013.01); F17C 2201/056 (2013.01); F17C 2203/0329 (2013.01); F17C 2203/0391 (2013.01); F17C 2203/0617 (2013.01); F17C 2203/0629 (2013.01); F17C 2203/0643 (2013.01); F17C 2205/0111 (2013.01); F17C 2205/0126 (2013.01); F17C 2205/013 (2013.01); F17C 2205/0326 (2013.01); F17C 2205/0329 (2013.01); F17C 2205/0332 (2013.01); F17C 2205/0335 (2013.01); F17C 2205/0355 (2013.01); F17C 2221/016 (2013.01); F17C 2223/0161 (2013.01); F17C 2223/033 (2013.01); F17C 2223/035 (2013.01); F17C 2223/047 (2013.01); F17C 2225/0161 (2013.01); F17C 2225/033 (2013.01); F17C 2225/046 (2013.01); F17C 2227/0107 (2013.01); F17C 2227/0309 (2013.01); F17C 2227/0341 (2013.01); F17C 2227/0353 (2013.01); F17C 2227/0374 (2013.01); F17C 2227/0381 (2013.01); F17C 2227/0388 (2013.01); F17C 2250/032 (2013.01); F17C 2250/043 (2013.01); F17C 2250/0439 (2013.01); F17C 2250/0443 (2013.01); F17C 2250/0631 (2013.01); F17C 2250/0636 (2013.01); F17C 2250/072 (2013.01); F17C 2260/056 (2013.01); F17C 2265/01 (2013.01); F17C 2265/034 (2013.01); F17C 2265/036 (2013.01); F17C 2265/037 (2013.01); F17C 2270/0186 (2013.01); F17C 2270/0536 (2013.01); F25J 2210/42 (2013.01); F25J 2210/90 (2013.01); F25J 2215/36 (2013.01); F25J 2290/62 (2013.01)

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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

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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