

Title (en)

Device and process for liquefying process media

Title (de)

Vorrichtung und Verfahren zum Verflüssigen von Prozessmedien

Title (fr)

Dispositif et procédé pour liquéfier des milieux de traitement

Publication

EP 2026023 A1 20090218 (DE)

Application

EP 08000070 A 20080103

Priority

DE 102007038709 A 20070814

Abstract (en)

Device (1) for liquefying a process medium, especially gaseous carbon dioxide, comprises a container (3) for holding the carbon dioxide and containing flow channels (10a, 10b). A Peltier element is arranged on the container to cool the container. Independent claims are also included for the following: (1) Method for liquefying a process medium, especially gaseous carbon dioxide; and (2) System comprising the above liquefying device and a supply container for the process medium. Preferred Features: A cooling body is arranged on the Peltier element. A ventilator is arranged on the cooling body with an air filter arranged on the ventilator.

Abstract (de)

Erfindungsgemäß ist eine Vorrichtung zum Verflüssigen von Prozessmedien (2), insbesondere gasförmiges CO₂ vorgesehen. Die Vorrichtung weist einen Mediumsbehälter (3) zur Aufnahme eines Prozessmediums auf, wobei im Inneren des Mediumsbehälters Strömungskanäle ausgebildet sind. Am Mediumsbehälter ist zumindest ein Peltierelement (15) zum Kühlen des Mediumsbehälters angeordnet.

IPC 8 full level

F25J 1/02 (2006.01); **F25B 21/02** (2006.01); **F25J 3/00** (2006.01)

CPC (source: EP)

F25J 1/0027 (2013.01); **F25J 1/0225** (2013.01); **F25J 1/0251** (2013.01); **F25J 1/0261** (2013.01); **F25J 5/002** (2013.01); **F25J 2270/908** (2013.01); **F25J 2290/42** (2013.01); **F25J 2290/62** (2013.01)

Citation (applicant)

- DE 3543390 A1 19870611 - BLAUDSZUN BERND DIPL ING, et al
- DE 102005035432 A1 20070201 - LINDE AG [DE]

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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