

Title (en)

CRYOGENIC COLDSTORE FOR THE PRESERVATION OF CHEMICAL, PHARMACEUTICAL & BIOLOGICAL MATERIALS

Title (de)

KRYOGENES KÜHLLAGER ZUR KONSERVIERUNG VON CHEMISCHEN, PHARMAZEUTISCHEN UND BIOLOGISCHEN MATERIALIEN

Title (fr)

COLDSTORE CRYOGÉNIQUE POUR LA CONSERVATION DE PRODUITS CHIMIQUES, DE MATÉRIAUX BIOLOGIQUES ET PHARMACEUTIQUES

Publication

**EP 3141846 A1 20170315 (EN)**

Application

**EP 15002623 A 20150908**

Priority

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Abstract (en)

The invention relates to a method for cooling one of: a chemical, a pharmaceutical or a biological material (6), wherein a liquid cryogen (C) or a gaseous phase (C') derived therefrom is passed (e.g. from a container (2)) to a heat exchanger (4) that is arranged in a compartment (5) in which said material (6) is arranged in order to cool said material (6), wherein the liquid cryogen (C) or gas (C') takes up heat in said heat exchanger (4) such that a warmer gaseous phase (C'') of the cryogen (C) is generated which is guided out of the compartment (5) and re-used in the gaseous phase in another application (9). Further, the invention relates to a corresponding system (1).

IPC 8 full level

**F25D 3/10** (2006.01); **F25D 21/00** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XY] US 2012174600 A1 20120712 - BOWDISH BOYD [US], et al
- [Y] EP 1855071 A2 20071114 - AISBERG LTD [UA]
- [XI] EP 2226595 A2 20100908 - LINDE AG [DE]

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