

Title (en)  
BACKUP CO2 COOLING SYSTEM

Title (de)  
CO2-KÜHLUNGSSICHERUNGSSYSTEM

Title (fr)  
SYSTÈME DE SECOURS DE REFROIDISSEMENT AU CO2

Publication  
**EP 2150758 A2 20100210 (FR)**

Application  
**EP 08788178 A 20080414**

Priority  
• FR 2008050660 W 20080414  
• FR 0754680 A 20070425

Abstract (en)  
[origin: WO2008142341A2] This invention relates to a backup cooling system for a user site possessing at least one cold chamber for preserving foodstuffs or perishable products, the cold chamber being cooled by a mechanical cooling system, the user site being provided with a liquid CO2 tank used on site for a primary utilization, and the backup device comprising the following elements:- a liquid CO2 evaporation unit positioned in the cold chamber and comprising an evaporator, which is a second evaporator independent of the evaporator of the mechanical cooling system; - a line which supplies said second evaporator of the evaporation unit from said liquid CO2 tank; a discharge out of the chamber for the CO2 vaporized in said second evaporator; - a means for acquiring at least one data item representing the operation or non-operation of the mechanical cooling system; and - a data acquisition and processing system for capturing said representative data item or items and commanding the supply of CO2 to said second evaporator from said tank when the captured data item represents non-operation of the mechanical cooling system.

IPC 8 full level  
**F25D 16/00** (2006.01); **F25D 3/10** (2006.01); **F25D 7/00** (2006.01)

CPC (source: EP)  
**F25D 16/00** (2013.01); **F25D 29/001** (2013.01); **F25B 2500/06** (2013.01); **F25D 2700/12** (2013.01)

Citation (search report)  
See references of WO 2008142341A2

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)  
**FR 2915559 A1 20081031**; **FR 2915559 B1 20121026**; EP 2150758 A2 20100210; EP 2150758 B1 20190123; ES 2713490 T3 20190522; PT 2150758 T 20190321; WO 2008142341 A2 20081127; WO 2008142341 A3 20090402

DOCDB simple family (application)  
**FR 0754680 A 20070425**; EP 08788178 A 20080414; ES 08788178 T 20080414; FR 2008050660 W 20080414; PT 08788178 T 20080414