

Title (en)
BACKUP CO2 COOLING SYSTEM

Title (de)
CO2-KÜHLUNGSSICHERUNGSSYSTEM

Title (fr)
SYSTÈME DE SECOURS DE REFROIDISSEMENT AU CO2

Publication
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Application
EP 08788178 A 20080414

Priority
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• 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.

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US 4060400 A 19771129 - WILLIAMS DAVID ROTH

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