

Title (en)

METHOD AND DEVICE FOR COOLING AN ENCLOSURE WITH THE AID OF CARBON DIOXIDE DRY ICE

Publication

EP 0175044 A3 19870429 (DE)

Application

EP 85101247 A 19850206

Priority

HU 348684 A 19840917

Abstract (en)

[origin: EP0175044A2] Method and device for cooling an enclosure (3) with the aid of carbon dioxide dry ice. Two different types of cooling operation with different cooling capacities are used, namely cooling of lower capacity than the necessary cooling capacity as basic cooling, and supplementary cooling which is switched on as required. The dry ice which is used for both cooling types is situated in a closed container (1) which is arranged in a box (2) provided with heat insulation, there being designed between the closed container (1) and the internal wall of the box (2) an air duct (4) which is connected to the cool enclosure (3) and to an air channel (5) which opens into the cool enclosure (3). The carbon dioxide which is evaporated in the air duct (4) in heat exchange with the air is introduced directly into the cool enclosure (3), from the container (1) for the basic cooling, via a shutoff member (10) controlled by a thermostat (11) and/or is blown into the air duct (4) or the air channel (5) via another shutoff member (8) and a nozzle, as a result of which there is produced in the air duct a flow which increases the evaporation of the dry ice in the container (1). <IMAGE>

IPC 1-7

F25D 3/12

IPC 8 full level

F25D 3/12 (2006.01)

CPC (source: EP)

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Citation (search report)

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