Title (en)

NOFROST COOLING PROCESS FOR A TEMPERATURE RANGE ABOVE 0oC.

Title (de)

NOFROST-KÜHLVERFAHREN FÜR EINEN KÜHLBEREICH ÜBER 0oC.

Title (fr)

PROCEDE DE REFRIGERATION-CONSERVATION A DES TEMPERATURES SUPERIEURES A 0oC.

Publication

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Application

EP 89905086 A 19890427

Priority

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- DE 3814238 A 19880427
- EP 8900464 W 19890427

Abstract (en)

[origin: WO8910523A1] Traditional nofrost cooling processes are based on the circulation of substantially supercooled air through the actual cooling chamber. Because the air is substantially supercooled, the humidity it contains condenses on the evaporator, and its humidity level becomes very low. Thus the foodstuffs stored in the cooling chamber dry out unless they are packed in airtight containers to reduce the drying process. According to said invention, cold is conveyed into the cooling chamber (1) by means of convectors (2, 26), and fresh air of a higher temperature is supplied in a controlled manner so that the temperature decreases. To avoid power loss due to the quantity of heat supplied, the displaced cold air is channeled towards a heat exchanger (3) in the condenser (4) of the cooling machine (5). Since the fresh air which circulates is always above 0 DEG C, the humidity content of the fresh air supplied can be controlled and be filtered to remove odours.

IPC 1-7

F25D 17/06; F25D 21/04

IPC 8 full level

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