

Title (en)
temperature control in a refrigerated transport container

Title (de)
Temperatursteuerung in einem Kühlfrachtcontainer

Title (fr)
Contrôle de la température dans un conteneur de transport réfrigéré

Publication
EP 2546589 A1 20130116 (EN)

Application
EP 11173525 A 20110712

Priority
EP 11173525 A 20110712

Abstract (en)
Disclosed is a system for and a method of controlling temperature within a refrigerated transport container (1), the refrigerated transport container (1) comprising at least a transport volume (45), a control unit (7), and a cooling space (41), one or more evaporator fans (10) providing an air flow through the cooling space (41), where air passing through the cooling space passes at least a return air temperature sensor (5), a cooling unit (16), and a supply air temperature sensor (25), wherein the method comprises controlling unmeasured temperatures in the transport volume (45) within a temperature range adjacent to a setpoint or target temperature (Tset), using two or more transport volume temperature indicators, where the indicators are based on at least measured supply air temperature and/or measured return air temperature. In this way, control of unmeasured temperatures in the transport volume is provided that enables improved control over temperatures of the loaded perishable produce thereby reducing the rate of quality loss of the transported produce.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
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