

Title (en)
TEMPERATURE DISTRIBUTION IMPROVEMENT IN REFRIGERATED CONTAINER

Title (de)
VERBESSERTE TEMPERATURVERTEILUNG IN EINEM GEKÜHLTEN BEHÄLTER

Title (fr)
AMÉLIORATION DE LA DISTRIBUTION DE TEMPÉRATURE DANS UN RÉCIPIENT RÉFRIGÉRÉ

Publication
EP 2394111 B1 20161012 (EN)

Application
EP 10739123 A 20100204

Priority
• US 2010023196 W 20100204
• US 15101609 P 20090209

Abstract (en)
[origin: WO2010091181A1] The fan of a refrigeration machine operatively connected to a container box is operated in one direction during normal operation and is periodically operated in the opposite direction in order to reverse the direction of airflow to and from the container box so as to thereby promote a more uniform temperature distribution within the container box. A door is automatically closed when operating in the reverse direction so as to accelerate the airflow speed into the container box.

IPC 8 full level
F25D 13/00 (2006.01); **B65D 88/74** (2006.01); **F24F 7/06** (2006.01); **F24F 11/00** (2006.01); **F25D 11/00** (2006.01); **F25D 17/00** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP US)
F24F 11/0001 (2013.01 - EP US); **F25D 11/003** (2013.01 - EP US); **F24F 2007/005** (2013.01 - EP US); **F25D 17/005** (2013.01 - EP US); **F25D 2317/0684** (2013.01 - EP)

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010091181 A1 20100812; CN 102308165 A 20120104; CN 102308165 B 20140618; DK 2394111 T3 20170123; EP 2394111 A1 20111214; EP 2394111 A4 20150826; EP 2394111 B1 20161012; SG 173543 A1 20110929; US 2011283719 A1 20111124

DOCDB simple family (application)
US 2010023196 W 20100204; CN 201080007100 A 20100204; DK 10739123 T 20100204; EP 10739123 A 20100204; SG 2011056272 A 20100204; US 201013146104 A 20100204