

Title (en)
REFRIGERATED SHOWCASE

Title (de)
GEKÜHLTER SCHAUKASTEN

Title (fr)
VITRINE FRIGORIFIQUE

Publication
EP 3611448 A1 20200219 (EN)

Application
EP 18784921 A 20180221

Priority
• JP 2017078616 A 20170412
• JP 2018006251 W 20180221

Abstract (en)
A refrigerated showcase 30 including: a refrigeration circuit 20 annularly formed by connecting, to one another through a refrigerant pipe, a compressor 1, a condenser 2, a decompression device 3 and an evaporator 4; a fan 5 for blowing air to the evaporator 4 and circulating the air; a temperature sensor 6 for detecting temperature of the air; and a control device 8, wherein the control device 8 stops the operation of the compressor 1 when detected temperature of the temperature sensor 6 reaches the predetermined value 1 during high speed operation of the compressor 1 in which the number of operational rotations thereof is constant, and thereafter, when the detected temperature of the temperature sensor 6 reaches the predetermined value 2, the compressor 1 is made to execute the high speed operation and, when the detected temperature of the temperature sensor 6 reaches the predetermined value 3, the number of operational rotations of the compressor 1 is controlled, and the number of operational rotations of the compressor 1 is reduced stepwisely. According to this, a cooling effect and energy-saving operation of the refrigerated showcase 30 are realized.

IPC 8 full level
F25D 11/00 (2006.01); **F25B 1/00** (2006.01)

CPC (source: EP)
A47F 3/0482 (2013.01); **F25B 1/00** (2013.01); **F25D 17/06** (2013.01); **F25D 29/00** (2013.01); **F25B 2600/02** (2013.01); **F25D 2400/28** (2013.01); **F25D 2700/12** (2013.01)

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