

Title (en)
Heat pump defrost control.

Title (de)
Entfrostssteuervorrichtung für Wärmepumpen.

Title (fr)
Commande de dégivrage pour pompes de chaleur.

Publication
EP 0031945 A2 19810715 (EN)

Application
EP 80108162 A 19801223

Priority
US 10974380 A 19800104

Abstract (en)
An outdoor coil defrost control system for a reverse cycle refrigeration apparatus or heat pump comprises an outdoor air temperature sensor (30), a compressor operation signal generator (42) and a variable frequency oscillator (80) receiving the input signal indicative of the outdoor air temperature and generating an output signal the frequency of which varies as a non-linear function of the magnitude of the outdoor air temperature. A counter (C1 to CN) receives the output signal of the variable frequency oscillator. The refrigeration apparatus is placed into an outdoor coil defrost mode of operation upon the counter counting a preselected number of pulses

IPC 1-7
F25B 47/00

IPC 8 full level
F24F 11/02 (2006.01); **F25B 47/02** (2006.01); **F25D 21/00** (2006.01)

CPC (source: EP)
F25B 47/025 (2013.01); **F25D 21/006** (2013.01)

Cited by
EP0271428A3; CN105004000A; CN115342481A; AU606826B2; FR2492070A1; EP2743615A1; US9551523B2

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0031945 A2 19810715; **EP 0031945 A3 19820519**; JP S56102638 A 19810817

DOCDB simple family (application)
EP 80108162 A 19801223; JP 26581 A 19810105