

Title (en)  
APPARATUS FOR REGULATING LENGTH OF COMPRESSOR CYCLES

Title (de)  
REGELGERÄT DER VERDICHTERPERIODENDAUER

Title (fr)  
APPAREIL DE REGLAGE DE LA LONGUEUR DE CYCLE D'UN COMPRESSEUR

Publication  
**EP 1040304 B1 20070314 (EN)**

Application  
**EP 98904711 A 19980126**

Priority  
• US 9801550 W 19980126  
• US 99675097 A 19971223

Abstract (en)  
[origin: WO9932838A1] To regulate a cooling system operation, a value from an energy value sensor such as a thermostat (28) or pressure trol (40) is sensed and, if the value warrants a call for compressor operation, the call is made. The last compressor off-call-time (T0-T2) is stored in memory (61). If the off-call-time (T0-T2) is less than a short-cycle interval (T2-T3), the compressor (41) is delayed to allow substantial compressor pressure equalization. Compressor operation is delayed further for a percentage of the off-call-time (T0-T2). Compressor on-time (T1-T2) is also measured and, if on for a substantial interval, the compressor (4) is given a short rest (T3-T4). Improved efficiency results.

IPC 8 full level  
**F25B 19/00** (2006.01); **F25B 49/02** (2006.01); **G05D 23/32** (2006.01)

CPC (source: EP)  
**F25B 49/022** (2013.01); **F24F 11/85** (2017.12); **F25B 2600/0251** (2013.01); **F25B 2600/23** (2013.01)

Cited by  
WO2013075113A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9932838 A1 19990701**; AT E356963 T1 20070415; AU 6251498 A 19990712; AU 747039 B2 20020509; CN 1125297 C 20031022; CN 1286747 A 20010307; DE 69837347 D1 20070426; DE 69837347 T2 20071129; EP 1040304 A1 20001004; EP 1040304 A4 20020821; EP 1040304 B1 20070314; ES 2285761 T3 20071116; HK 1033598 A1 20010907; NZ 505835 A 20030530

DOCDB simple family (application)  
**US 9801550 W 19980126**; AT 98904711 T 19980126; AU 6251498 A 19980126; CN 98813780 A 19980126; DE 69837347 T 19980126; EP 98904711 A 19980126; ES 98904711 T 19980126; HK 01102439 A 20010404; NZ 50583598 A 19980126