

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
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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
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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

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