

Title (en)

OPTIMUM OPERATION OF A HEAT EXCHANGER

Title (de)

OPTIMALER BETRIEB EINES WÄRMETAUSCHERS

Title (fr)

FONCTIONNEMENT OPTIMAL D'UN ÉCHANGEUR DE CHALEUR

Publication

EP 3800410 A1 20210407 (EN)

Application

EP 20156890 A 20200212

Priority

EP 19200669 A 20191001

Abstract (en)

Optimum operation of a heat exchanger. A method of operating a heat exchange assembly (1) having a compressor (2), a first circuit (3; 5) having first (4a; 6a) and second temperature sensors (4b; 6b), a first flow meter (7; 9), a second circuit (5; 3) having a third temperature sensor (6a; 4a), the heat exchange assembly (1) having a power meter selected from a compressor meter (8) or from a second circuit meter comprising the third temperature sensor (6a; 4a), a fourth temperature sensor (6b; 4b), and a second flow meter (9; 7), the method comprising: reading a first temperature signal from a sensor selected from the first temperature sensor (4a; 6a) or the second temperature sensor (4b; 6b), reading a second temperature signal from the third temperature sensor (6a; 4a); determining a first expected coefficient of performance from the first and second temperature signals; starting the compressor (2).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] US 6701725 B2 20040309 - ROSSI TODD M [US], et al
- [A] US 8745999 B2 20140610 - HAMADA MAMORU [JP], et al
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Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

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