

Title (en)
Electronic head pressure control

Title (de)
Elektronische Kopf-Drucksteuerung

Title (fr)
Contrôle de pression de tête électronique

Publication
EP 1909049 A2 20080409 (EN)

Application
EP 07253821 A 20070926

Priority
US 53930606 A 20061006

Abstract (en)
A condenser assembly (10) for use in a refrigeration system to reject heat from refrigerant to an environment. The condenser assembly includes first and second condenser modules (25) each having a condenser coil (35) and valve (50). Each condenser coil (35) includes an inlet port (60,65) to receive a refrigerant and an outlet port (70) to discharge the refrigerant. The valve (50) is in fluid communication with the corresponding inlet port (60,65) and regulates flow of the refrigerant through the corresponding condenser coil. A sensor (120) in communication with the refrigeration circuit generates a signal indicative of an inlet pressure of the condenser assembly. A controller (125) is programmed to actuate the first valve (50) to regulate the flow of the refrigerant into first condenser coil, and to actuate the second valve (50) independent of the first valve to regulate the flow of the refrigerant into the second condenser coil to control condenser volume based on the signal indicative of the inlet pressure.

IPC 8 full level
F25B 49/02 (2006.01)

CPC (source: EP US)
F25B 49/027 (2013.01 - EP US); **F25B 2400/21** (2013.01 - EP US); **F25B 2700/195** (2013.01 - EP US)

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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