

Title (en)

Refrigerant recovery and purification system.

Title (de)

Wiedergewinnungs- und Reinigungsanlage für Kältemittel.

Title (fr)

Système de récupération et de purification de réfrigérant.

Publication

EP 0440316 A2 19910807 (EN)

Application

EP 91200905 A 19880708

Priority

- EP 91200905 A 19880708
- US 11709887 A 19871104

Abstract (en)

A self-contained portable refrigerant recovery system comprising a wheeled support (12); a refrigerant compressor (18) mounted on said support and having an inlet and an outlet; a heat exchange assembly (26) including refrigerant evaporator means and condenser means; means including a first pressure sensor (58) for connecting said compressor input through said evaporator means to a refrigeration system from which refrigerant is to be recovered, said first pressure sensor providing an electrical signal as a function of pressure of refrigerant to said evaporator means; a refrigerant storage container (50) which can be carried by said support; means connecting said compressor output to said refrigerant storage container through said condenser means; means (68) responsive to content of said container for sensing impending overfill of said container; and automatic refrigerant recovery control means mounted on said support and comprising a solenoid valve (28) for selectively admitting refrigerant to said evaporator means, means (121) responsive to operator actuation for selectively applying electrical power to said solenoid valve and said compressor, means (1CR-1) responsive to said first pressure sensor for removing power from said solenoid valve and said compressor, and means (1CR-2) responsive to said content-responsive means for inhibiting application of electrical power to said solenoid valve and said compressor when said container is in an impending overfill condition. <IMAGE>

IPC 1-7

F25B 45/00

IPC 8 full level

F25B 45/00 (2006.01)

CPC (source: EP)

F25B 45/00 (2013.01); **F25B 2345/002** (2013.01); **F25B 2345/0052** (2013.01)

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