

Title (en)

METHOD OF WITHDRAWING REFRIGERANTS WITH A LOW BOILING POINT FROM REFRIGERATION OR AIR CONDITIONING UNITS

Publication

EP 0250914 A3 19880420 (DE)

Application

EP 87108070 A 19870604

Priority

DE 3622423 A 19860703

Abstract (en)

[origin: US4761961A] Low-boiling refrigerants are removed from refrigerative and air-conditioning units by decantation into collecting vessels. The vessels are cooled throughout the entire removal process by heat exchanger with a cryogenic coolant to below the boiling temperature of, and within the ambient pressure conditions of, the refrigerant.

IPC 1-7

F25B 45/00

IPC 8 full level

F25B 45/00 (2006.01)

CPC (source: EP US)

F25B 45/00 (2013.01 - EP US)

Citation (search report)

- [Y] US 4539817 A 19850910 - STAGGS MICHAEL J [US], et al
- [Y] FR 96042 E 19720519 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
- [A] US 4350018 A 19820921 - FRANK KARL, et al
- [A] DE 3026667 A1 19820204 - HOXAN KK [JP]
- [A] EP 0203340 A1 19861203 - MESSER GRIESHEIM GMBH [DE]
- [A] US 3225825 A 19651228 - LEWIS JAMES E
- [A] US 2059297 A 19361103 - WIDMAN CHARLES H, et al
- [A] US 2622851 A 19521223
- [A] US 3859807 A 19750114 - BENEDICT MANSON, et al
- [A] US 2512040 A 19500620 - SLOBOD ROBERT L
- [A] FR 2085400 A2 19711224 - AIR LIQUIDE
- [A] FR 1462413 A 19660415 - VIDE SOC GEN DU
- [A] FR 1393277 A 19650326 - COMMISSARIAT ENERGIE ATOMIQUE

Cited by

US5586443A; EP0328475A3; US5359863A; US5361592A; WO9015293A1

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