

Title (en)

Method of and means for purging noncondensable gases from condensers or the like.

Title (de)

Verfahren und Vorrichtung zum Abführen nichtkondensierbarer Gase aus Kondensatoren oder dergleichen.

Title (fr)

Méthode et dispositif pour purger les gaz non condensables des condenseurs ou équivalents.

Publication

**EP 0405961 A1 19910102 (EN)**

Application

**EP 90307065 A 19900628**

Priority

US 37275789 A 19890629

Abstract (en)

Condenser fluid, comprising vaporized working fluid and non-condensable gases, is treated by extracting fluid from the condenser (16A) and pressuring the fluid to liquefy the vaporized working fluid therein in such a way that the non-condensable gases are separated from the working fluid and can be vented from the extracted fluid. A piston (36) draws the vaporized fluid into a chamber (32) through an open valve (33). The valve is then closed and the fluid is compressed by the piston (36), the fluid being cooled by a cooling coil (53), so that working fluid condenses, whereupon the non-condensed gases are vented (valve 39). The valve (33) is then opened so that the working fluid can flow back into the condenser (16A).

IPC 1-7

**F28B 9/10**

IPC 8 full level

**F01K 9/00** (2006.01); **F01K 13/00** (2006.01); **F28B 9/10** (2006.01)

CPC (source: EP)

**F28B 9/10** (2013.01)

Citation (search report)

- [A] US 3230729 A 19660125 - EBER DAVID H
- [A] US 2598799 A 19520603 - KIENE WILLIAM J
- [A] FR 2095320 A1 19720211 - BORG WARNER
- [A] EP 0038958 A2 19811104 - CARRIER CORP [US]
- [A] DE 1926395 A1 19701126 - KUNZE REINHOLD

Cited by

US5487765A; CN106091777A; EP0506466A1; CN106052437A; US10775083B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0405961 A1 19910102; EP 0405961 B1 19940427**; AU 5797890 A 19910103; AU 632825 B2 19930114; CN 1042060 C 19990210; CN 1053117 A 19910717; DE 69008433 D1 19940601; DE 69008433 T2 19940929; IL 94866 A0 19910415; IL 94866 A 19951031; PH 27545 A 19930818; RU 2011851 C1 19940430; ZA 905103 B 19920527

DOCDB simple family (application)

**EP 90307065 A 19900628**; AU 5797890 A 19900628; CN 90106802 A 19900629; DE 69008433 T 19900628; IL 9486690 A 19900626; PH 40760 A 19900629; SU 4830544 A 19900628; ZA 905103 A 19900629