

Title (en)
Flashgas removal from a receiver in a refrigeration circuit

Title (de)
Kältekreislauf und Verfahren zum Betreiben eines Kältekreislaufes

Title (fr)
Vidange de vapeur instantanée du réservoir d'un circuit réfrigérant

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Citation (search report)
• [XA] DE 19522884 A1 19970102 - INST LUFT KAELETETECH GEM GMBH [DE]
• [I] FR 2738331 A1 19970307 - PROFROID IND SA [FR]
• [A] JP 2002156161 A 20020531 - MITSUBISHI HEAVY IND LTD
• [A] DE 4309137 A1 19940804 - KNAPPE OTFRIED DIPL ING [DE]
• [A] EP 1046869 A1 20001025 - SANDEN CORP [JP]
• [A] WO 2004055454 A1 20040701 - VOLKSWAGEN AG [DE], et al
• [A] HUFF H-J ET AL: "OPTIONS FOR A TWO-STAGE TRANSCRIPTIONAL CARBON DIOXIDE CYCLE", IIR GUSTAV LORENTZEN CONFERENCE ON NATURAL WORKING FLUIDS. JOINT CONFERENCE OF THE INTERNATIONAL INSTITUTE OF REFRIGERATION SECTION B AND E, 17 September 2002 (2002-09-17), pages 158 - 164, XP001176579
• [A] OSTERTAG P: "KAELETETEPROZESSE DARGESTELLT MIT HILFE DER ENTROPIETAFEL, PASSAGE", KAELETETEPROZESSE. DARGESTELLT MIT HILFE DER ENTROPIETAFEL, 1933, pages I - IV,1, XP001169097
• [A] GEBHARDT D ET AL: "ENTWICKLUNG EINER TRANSKRITISCHEN ZWEISTUFIGEN SUPERMARKTKAELETETEANLAGE FUER TIEF- UND NORMALKUEHLUNG (2)"/DEVELOPMENT OF A SUPERMARKET TRANSCRITICAL MULTISTAGE REFRIGERATING PLANT FOR CHILLING AND FREEZING", KAELE UND KLIMATECHNIK, GENTNER, STUTTGART, DE, vol. 56, 1 October 2003 (2003-10-01), pages 54 - 65, XP008028730, ISSN: 0343-2246

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US 2005005413 W 20050218; AT 05723393 T 20050218; AU 2005270472 A 20050729; AU 2005278162 A 20050218; CN 200580026747 A 20050218; CN 200580026836 A 20050729; CN 200910246380 A 20050729; DK 05723393 T 20050218; DK 07020311 T 20050729; DK 10167202 T 20050729; DK 10181303 T 20050729; EP 05715407 A 20050218; EP 05723393 A 20050218; EP 05775838 A 20050729; EP 07020311 A 20050729; EP 10167202 A 20050729; EP 10181303 A 20050729; HK 07109213 A 20070823; HK 10110346 A 20101104; KR 20077003139 A 20070208; KR 20077003141 A 20070208; NO 20071229 A 20070306; RU 2007107807 A 20050218; US 65992505 A 20050218; US 65992605 A 20050729