

Title (en)
method and device for overheating a refrigerant.

Title (de)
Verfahren und Vorrichtung zum Überhitzen eines Kühlmittels.

Title (fr)
Procédé et dispositif de surchauffe d'un fluide frigorigène.

Publication
EP 0143013 A2 19850529 (FR)

Application
EP 84401814 A 19840913

Priority
FR 8314795 A 19830916

Abstract (en)
[origin: ES8603059A1] The bottle comprises a closed vessel (2) with dished ends (4,5). The upper dished end has a penetration for the refrigerant inlet (6) and one for the outlet (7). An inverted cup inner skirt (15-17) forms a baffle for the refrigerant gas flow. - An outer jacket (30) encloses the bottle and forms a passage for the exhaust gases from the internal combustion driving engine, entering at the base (32) and discharging at the top (33). Heat exchange takes place across the wall (3) of the closed vessel.
[origin: ES8603059A1] The bottle comprises a closed vessel (2) with dished ends (4,5). The upper dished end has a penetration for the refrigerant inlet (6) and one for the outlet (7). An inverted cup inner skirt (15-17) forms a baffle for the refrigerant gas flow. - An outer jacket (30) encloses the bottle and forms a passage for the exhaust gases from the internal combustion driving engine, entering at the base (32) and discharging at the top (33). Heat exchange takes place across the wall (3) of the closed vessel.

Abstract (fr)
Procédé et dispositif permettant la surchauffe du fluide frigorigène d'une pompe à chaleur à moteur thermique avant son introduction dans le compresseur. Il est constitué par une bouteille anti-coups (1) comprenant une jupe interne (15) qui constitue une surface d'échange thermique entre le fluide frigorigène et les gaz d'échappement du moteur. Application aux pompes à chaleur.

IPC 1-7
F25B 43/00

IPC 8 full level
F25B 27/02 (2006.01); **F25B 43/00** (2006.01); **F28D 7/00** (2006.01)

CPC (source: EP US)
F25B 43/006 (2013.01 - EP US); **F25B 2400/051** (2013.01 - EP US)

Cited by
EP0240811A1; WO8705381A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
FR 2552212 A1 19850322; FR 2552212 B1 19860321; EP 0143013 A2 19850529; EP 0143013 A3 19860108; ES 535815 A0 19851201; ES 8603059 A1 19851201; JP S6091164 A 19850522; PT 79198 A 19841001; PT 79198 B 19860717; US 4653282 A 19870331

DOCDB simple family (application)
FR 8314795 A 19830916; EP 84401814 A 19840913; ES 535815 A 19840911; JP 19191184 A 19840914; PT 7919884 A 19840913; US 65121684 A 19840914