

Title (en)

INTEGRATED FLOW SEPARATOR AND PUMP-DOWN VOLUME DEVICE FOR USE IN A HEAT EXCHANGER

Title (de)

INTEGRIERTER STRÖMUNGSTRENNER UND ABPUMPVOLUMENVORRICHTUNG ZUR VERWENDUNG IN EINEM WÄRMETAUSCHER

Title (fr)

DISPOSITIF DE SÉPARATION DE FLUX ET DE VOLUME D'ASPIRATION INTÉGRÉ DESTINÉ À UNE UTILISATION DANS UN ÉCHANGEUR DE CHALEUR

Publication

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Application

EP 09763306 A 20090603

Priority

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Abstract (en)

[origin: WO2009152015A2] A phase separator and fluid storage volume device (12, 14) for a heat exchanger comprises a vessel (54), a vapor tube (50), a liquid tube (52), an access tube (58) and a flow regulating device (62). The vessel (54) comprises a first chamber (66), a second chamber (68), and a divider (56) separating the first chamber (66) from the second chamber (68). The vapor tube (50) extends from within the second chamber (68), through the divider (56) and the first chamber (66) to outside the first chamber (66). The vapor tube (50) also includes holes (70) between an inlet and an outlet of the tube (50) within the first chamber (66). The liquid tube (52) extends from within the second chamber (68) to outside of the second chamber (68). The access tube (58) connects to the second chamber (68). The flow regulating device (62) is disposed within the vapor tube (50) to provide phase separation between refrigerant traveling between the first chamber (66) and the second chamber (68) within the vapor tube (50).

IPC 8 full level

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Citation (search report)

- [A] WO 2006083445 A2 20060810 - CARRIER CORP [US], et al
- See references of WO 2009152015A2

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