

Title (en)

A METHOD FOR CONTROLLING PRESSURE AND OIL LEVEL IN AN OIL RECEIVER OF A VAPOUR COMPRESSIONS SYSTEM

Title (de)

VERFAHREN ZUR STEUERUNG DES DRUCKS UND DES ÖLSTANDS IN EINEM ÖLAUFNEHMER EINES DAMPFKOMPRESSIIONSSYSTEMS

Title (fr)

PROCÉDÉ DE RÉGULATION DE PRESSION ET DE NIVEAU D'HUILE DANS UN RÉCEPTEUR D'HUILE D'UN SYSTÈME DE COMPRESSION DE VAPEUR

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Application

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Abstract (en)

[origin: WO2017220702A1] A method for controlling a valve arrangement (10) interconnecting at least one oil separator (8) and an oil receiver (9) in a vapour compression system (1) is disclosed. A pressure difference between a pressure prevailing inside the oil separator(s) (8) and a pressure prevailing inside the oil receiver (9) is obtained. Then a duration for an open time of an open/close sequence of the valve arrangement (10) is derived, based on the obtained pressure difference, and the valve arrangement (10) is controlled in accordance with the derived duration of an open time. The supply of oil to the oil receiver (9) can be accurately controlled, regardless of the operating conditions.

IPC 8 full level

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