

Title (en)
DEVICE AND METHOD FOR DEICING A HEAT EXCHANGER IN EVAPORATOR OPERATION OF A COOLING SYSTEM AND VEHICLE HAVING SUCH A DEVICE

Title (de)
EINRICHTUNG UND VERFAHREN ZUM ENTEISEN EINES WÄRMETAUSCHERS IM VERDAMPFERBETRIEB EINER KÄLTEANLAGE SOWIE FAHRZEUG MIT EINER SOLCHEN EINRICHTUNG

Title (fr)
DISPOSITIF ET PROCÉDÉ DE DÉGIVRAGE D'UN ÉCHANGEUR DE CHALEUR LORS DU FONCTIONNEMENT D'ÉVAPORATION D'UNE INSTALLATION FRIGORIFIQUE ET VÉHICULE COMPRENANT UN DISPOSITIF DE CE TYPE

Publication
EP 3314178 A1 20180502 (DE)

Application
EP 16753579 A 20160627

Priority
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• EP 2016001089 W 20160627

Abstract (en)
[origin: WO2016206816A1] In order to deice a heat exchanger in evaporator operation of a cooling system (1), which heat exchanger was iced at low evaporation temperatures, wherein refrigerant (30) can flow or flows through the heat exchanger in evaporator operation (20), a device for deicing such a heat exchanger in evaporator operation (20) is a heat exchanger device (12, 55) which is situated in a second coolant circuit or a separate, connectable and disconnectable path of the at least one first coolant circuit (65) and can be provided or is provided in heat exchange with the heat exchanger in evaporator operation (20). In a vehicle (100), in particular a land vehicle, having at least one electric drive (50) and/or at least one traction battery (59) and having at least one cooling system (1) which can be or is operated in heat pump mode and which has at least one heat exchanger in evaporator operation (20) which, as part of a refrigerant circuit (66), can have or has refrigerant (30) flowing through it, and having at least one first coolant circuit (65), at least one heat exchanger device (12, 55), which is provided in a second coolant circuit or a separate, connectable and disconnectable path of the at least one first coolant circuit (65), is placed in heat-conducting contact with the heat exchanger in evaporator operation (20) for deicing the heat exchanger in evaporator operation.

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See references of WO 2016206816A1

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