

Title (en)

GAS REFRIGERATION MACHINE, METHOD FOR OPERATING A GAS REFRIGERATION MACHINE, AND METHOD FOR PRODUCING A GAS REFRIGERATION MACHINE WITH A RECUPERATOR ABOUT THE SUCTION REGION

Title (de)

GASKÄLTEMASCHINE, VERFAHREN ZUM BETREIBEN EINER GASKÄLTEMASCHINE UND VERFAHREN ZUM HERSTELLEN EINER GASKÄLTEMASCHINE MIT EINEM REKUPERATOR UM DEN ANSAUGBEREICH

Title (fr)

MACHINE FRIGORIFIQUE À GAZ, PROCÉDÉ DE FONCTIONNEMENT D'UNE MACHINE FRIGORIFIQUE À GAZ ET PROCÉDÉ DE FABRICATION D'UNE MACHINE FRIGORIFIQUE À GAZ COMPRENANT UN RÉCUPÉRATEUR AUTOUR DE LA ZONE D'ASPIRATION

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Application

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Abstract (en)

[origin: WO2022090246A1] The invention relates to a gas refrigeration machine with the following features: an inlet (2) for gas to be cooled; a recuperator (10); a compressor (40) with a compressor inlet (41), said compressor inlet (41) being coupled to a first recuperator outlet (12); a heat exchanger (60); a turbine (70); and a gas outlet (5), wherein the compressor inlet (41) is connected to a suction region (30) which is delimited by a suction wall (31) and extends away from the compressor (40); the recuperator (10) extends at least partly about the suction region (30) and is delimited by the suction wall (31); and the suction wall (31) is designed such that gas can be suctioned from the recuperator (10) into the compressor inlet (41) through the suction wall (31) via the suction region (30).

IPC 8 full level

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