

Title (en)  
ASSEMBLY OF A GAS COOLER AND REFRIGERANT COOLER, GAS COOLER, AND USE OF AN ASSEMBLY OR GAS COOLER OF THIS NATURE, AND METHOD FOR THE INTERSTAGE COOLING IN MULTISTAGE COOLING SYSTEMS

Title (de)  
BAUGRUPPE MIT GASKÜHLER UND KÜHLMITTELKÜHLER, GASKÜHLER UND VERWENDUNG EINER BAUGRUPPE ODER EINES GASKÜHLERS DIESER ART UND VERFAHREN FÜR DIE ZWISCHENSTUFENKÜHLUNG IN MEHRSTUFEN KÜHLSYSTEMEN

Title (fr)  
ENSEMBLE DE REFRIGERATION DE GAZ ET DE REFRIGERATION DE FRIGORIGENES, REFRIGERATEUR DE GAZ, ET UTILISATION D'UN ENSEMBLE OU D'UN REFRIGERATEUR DE CE TYPE, ET PROCEDE DE REFRIGERATION INTERMEDIAIRE DANS DES SYSTEMES DE REFRIGERATION A PLUSIEURS ETAPES

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Application  
**EP 00971887 A 20001005**

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Abstract (en)  
[origin: WO0135036A1] An assembly (30) for cooling a gas using an evaporating first refrigerant, such as a film-evaporating refrigerant, which is brought into contact with the gas to be cooled. The assembly (30) comprises a gas cooler (19) of the gap type having a multiplicity of plate-like wall elements (30), which delimit the gaps (32, 34, 40, 43), and a refrigerant cooler (50) for cooling, in particular supercooling, a second refrigerant. The refrigerant cooler (50) comprises a channel or system of channels which is formed in at least one of the multiplicity of wall elements of the gas cooler of the gap type. One or more gaps may be subdivided, by means of a partition, into a first compartment (34) connected to the refrigerant inlet, which adjoins a plate element having a refrigerant-cooler channel or channel system, and a second compartment (32), connected to the gas inlet, which adjoins that side of the partition which faces away from the wall element.

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