

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

Publication

EP 1218675 A1 20020703 (EN)

Application

EP 00971887 A 20001005

Priority

- NL 0000716 W 20001005
- NL 1013212 A 19991005

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.

IPC 1-7

F25B 40/00

IPC 8 full level

F25B 39/02 (2006.01); **F28D 7/02** (2006.01); **F28D 7/10** (2006.01); **F25B 7/00** (2006.01)

CPC (source: EP)

F25B 39/02 (2013.01); **F28D 7/026** (2013.01); **F28D 7/103** (2013.01); **F25B 7/00** (2013.01)

Citation (search report)

See references of WO 0135036A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0135036 A1 20010517; AU 1062901 A 20010606; EP 1218675 A1 20020703; NL 1013212 C2 20010406; ZA 200202691 B 20030625

DOCDB simple family (application)

NL 0000716 W 20001005; AU 1062901 A 20001005; EP 00971887 A 20001005; NL 1013212 A 19991005; ZA 200202691 A 20020405