

Title (en)  
REFRIGERATION METHOD AND INSTALLATION

Title (de)  
KÜHLVERFAHREN UND ANLAGE

Title (fr)  
PROCEDE ET INSTALLATION DE REFRIGERATION

Publication  
**EP 2758725 B1 20151230 (FR)**

Application  
**EP 12756775 A 20120814**

Priority  
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• FR 2012051893 W 20120814

Abstract (en)  
[origin: WO2013041789A1] A method and installation for refrigerating a same application (1) by means of several refrigerators/liquefiers (L/R) arranged in parallel, the parallel refrigerators/liquefiers (L/R) using a working gas of the same type having a low molar mass, i.e. having an average overall molar mass lower than 10g/mol such as pure helium gas, each refrigerator/liquefier (L/R) comprising a compression station (2) to compress the working gas, a cold box (3) intended to cool the working gas coming out of the compression station (2), the working gas cooled by each of the respective cold boxes (3) of the refrigerators/liquefiers (L, R) being brought into heat exchange with the application (1) with a view to supplying frigories to the latter, in which, a single compression station (2) compresses the working gas for each of the respective separate cold boxes (3) of the refrigerators/liquefiers (L, R) arranged in parallel, the single compression station (2) comprising only compression machines of the lubricated screw type (EC1, EC2, EC3) and systems (4, 14) for removing the oil from the working fluid coming out of the compression machines (EC1, EC2, EC3), such that the compression machines (EC1, EC2, EC3) and the oil removal systems (4, 14) are shared by the refrigerators/liquefiers (L/R) arranged in parallel.

IPC 8 full level  
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