

Title (en)

METHOD AND DEVICE FOR PRODUCING COLD

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KÄLTEERZEUGUNG

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DU FROID

Publication

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Application

EP 99924849 A 19990430

Priority

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- EP 9902932 W 19990430

Abstract (en)

[origin: US6463744B1] In a process for refrigeration in the 65 to 150 K temperature range, in which the refrigerant is compressed using an oil-lubricated compressor, then cooled to ambient temperature and then oil is removed from the refrigerant before the refrigerant is fed to a Joule Thomson heat exchanger, the refrigerant is additionally cooled after it has been cooled to ambient temperature and before it enters the Joule Thomson heat exchanger. In a device for refrigeration in the 65 to 150 K temperature range, which has an oil-lubricated compressor for compressing a refrigerant, an aftercooler connected downstream for cooling the refrigerant to ambient temperature, a device following on from this for removing oil from the refrigerant and a Joule Thomson countercurrent heat exchanger connected downstream of the device for removing the oil, an oil condenser is arranged between the aftercooler and the Joule Thomson countercurrent heat exchanger.

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