

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

EP 1078208 A1 20010228 (DE)

Application

EP 99924849 A 19990430

Priority

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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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