

Title (en)

GAS COOLING PROCESS AND PLANT, ESPECIALLY FOR NATURAL GAS LIQUEFACTION

Title (de)

VERFAHREN UND ANLAGE ZUR KÜHLUNG EINES FLUIDS, INSBESONDERE FÜR DIE VERFLÜSSIGUNG VON ERDGAS

Title (fr)

PROCEDE ET INSTALLATION DE REFROIDISSEMENT D'UN GAZ, NOTAMMENT POUR LA LIQUEFACTION DE GAZ NATUREL

Publication

EP 0644996 B1 19981223 (FR)

Application

EP 94913137 A 19940405

Priority

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- FR 9304276 A 19930409

Abstract (en)

[origin: WO9424500A1] In an integral incorporated cascade-type process the cooling mixture from the penultimate stage (1B) of the single cycle compressor (1) is fed into a distillation apparatus (5), the overhead vapour of which is cooled (at 24) to a temperature considerably less than ambient temperature. The vapour is then separated into two phases (at 6C); the vapour phase supplies the last stage (1C) of the compressor, and the liquid phase provides a cooling fluid for the hot part (8) of the thermal exchange line (7).

IPC 1-7

F25J 1/02; **F25J 3/06**

IPC 8 full level

C10L 3/00 (2006.01); **C10L 3/06** (2006.01); **C10L 3/12** (2006.01); **C10L 10/14** (2006.01); **F25J 1/02** (2006.01); **F25J 3/02** (2006.01); **F25J 3/06** (2006.01)

CPC (source: EP US)

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US10480851B2; US11408673B2; US11428463B2; US10663221B2; US11408676B2; US9441877B2; US10502483B2

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