

Title (en)

TWO STAGED REFRIGERATION CYCLE USING A MULTICONSTITUANT REFRIGERANT

Title (de)

ZWEISTUFIGES KALTEKREISLAUF MIT MULTIKOMPONENT KALTEMITTEL

Title (fr)

CYCLE DE REFRIGERATION EN DEUX ETAPES UTILISANT UN FRIGORIGENE A PLUSIEURS CONSTITUANTS

Publication

**EP 0990108 B1 20020918 (EN)**

Application

**EP 98928467 A 19980612**

Priority

- GB 9801720 W 19980612
- GB 9712304 A 19970612

Abstract (en)

[origin: WO9857108A1] A refrigeration cycle utilizing a multi-component refrigerant wherein the compression of low pressure refrigerant vapour is effected in at least two stages of compression (42, 44) with cooling (48, 58), partial condensation and separation (52, 62) from the uncondensed vapour of the condensate formed after each of at least two of the said stages thereby providing two or more condensate streams (64, 70) of different compositions and at different pressures and wherein at least two of said condensate streams are expanded and injected into the returning low pressure refrigerant (40) at different temperatures of said low pressure refrigerant (40).

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IPC 8 full level

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CPC (source: EP)

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Cited by

FR3043451A1; FR3043452A1; RU2684060C2; US10480851B2; US11408673B2; US11428463B2; WO2017081374A1; WO2017081375A1; US10663221B2; US11408676B2; US9441877B2; US10502483B2

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