

Title (en)

METHOD OF COLD PRODUCTION USING A SEPARATION CYCLE

Publication

**EP 0053536 A3 19830504 (FR)**

Application

**EP 81401815 A 19811118**

Priority

FR 8025514 A 19801201

Abstract (en)

[origin: US4420946A] Cold is produced in a phase separation cycle comprising the steps of (a) compressing a refrigerant fluid and dissolving it in a solvent, (b) cooling resultant solution to form two distinct liquid phases, (c) separating the liquid phases, (d) recycling the heavy phase, (e) expanding and vaporizing the light phase to produce cold, and (f) recycling the vaporized light phase. A portion of the cold produced in step (e) is used to cool the solution from step (a), and another portion is used to cool an external medium.

IPC 1-7

**F25B 25/02**

IPC 8 full level

**F25J 1/00** (2006.01); **F25B 7/00** (2006.01); **F25B 25/02** (2006.01)

CPC (source: EP US)

**F25B 25/02** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0053536 A2 19820609; EP 0053536 A3 19830504; EP 0053536 B1 19860604**; AT E20278 T1 19860615; DE 3174781 D1 19860710; FR 2495293 A1 19820604; FR 2495293 B1 19840713; JP H026989 B2 19900214; JP S57120076 A 19820726; US 4420946 A 19831220

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