

Title (en)  
METHOD OF COLD PRODUCTION USING A SEPARATION CYCLE

Publication  
**EP 0053536 B1 19860604 (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.

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**F25B 25/02**

IPC 8 full level  
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CPC (source: EP US)  
**F25B 25/02** (2013.01 - EP US)

Citation (examination)  
US 3477240 A 19691111 - THOREN OLLE G, et al

Cited by  
EP1340951A3; USRE39637E; WO8706284A1

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