

Title (en)
MAGNETIC REFRIGERATION SYSTEM WITH IMPROVED COAXIAL VALVE

Title (de)
MAGNETISCHES KÜHLSYSTEM MIT VERBESSERTEM KOAXIALVENTIL

Title (fr)
SYSTÈME DE RÉFRIGÉRATION MAGNÉTIQUE À VALVE COAXIALE AMÉLIORÉE

Publication
EP 3234483 A1 20171025 (EN)

Application
EP 15870719 A 20151209

Priority
• US 201462091849 P 20141215
• US 2015064723 W 20151209

Abstract (en)
[origin: WO2016100038A1] A magnetic refrigeration system provides a rotary valve design that balances the forces needed to seal valve surfaces, reduces influence of wear on leakage, makes assembly and adjustment of the valve easier, reduces potential for bypass flows, reduces stress on and corrosion of the drive shaft, and provides a more compact system.

IPC 8 full level
F25B 21/00 (2006.01); **F25B 41/04** (2006.01)

CPC (source: CN EP KR)
F25B 21/00 (2013.01 - CN EP KR); **F25B 41/20** (2021.01 - CN KR); **F25B 2321/002** (2013.01 - CN); **F25B 2321/0022** (2013.01 - EP KR); **F25B 2500/17** (2013.01 - KR); **Y02B 30/00** (2013.01 - CN EP KR)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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US 2015064723 W 20151209; BR 112017012449 A 20151209; CN 201580067988 A 20151209; EP 15870719 A 20151209; JP 2017550077 A 20151209; KR 20177016333 A 20151209