

Title (en)
REFRIGERANT POWERED VALVE FOR A GEOTHERMAL POWER PLANT

Title (de)
KÄLTEMITTELBETRIEBENES VENTIL FÜR EIN GEOTHERMIE-KRAFTWERK

Title (fr)
VANNE MOTORISÉE RÉFRIGÉRANTE POUR UNE CENTRALE ÉLECTRIQUE GÉOTHERMIQUE

Publication
EP 2331815 A4 20140409 (EN)

Application
EP 08821845 A 20080910

Priority
US 2008075819 W 20080910

Abstract (en)
[origin: WO2010030271A1] A vapor expansion system includes a normally closed pneumatic valve between the evaporator and the turbine inlet, with the valve being selectively actuated by the flow of refrigerant vapor from the evaporator so as to enable opening the valve only during periods in which sufficient pressure has built up in the evaporator to properly operate the turbine. A bypass line has a normally open pneumatic valve with an actuator that is similarly caused to operate by pressurized refrigerant vapor from the evaporator. Both actuators are vented to the condenser such that the refrigerant vapor vented from the actuator does not escape to ambient.

IPC 8 full level
F03G 7/06 (2006.01); **F01K 25/08** (2006.01); **F01K 25/10** (2006.01); **F25B 15/00** (2006.01)

CPC (source: EP US)
F01K 25/10 (2013.01 - EP US)

Citation (search report)

- [A] WO 03072384 A1 20030904 - KIRELL INC [US]
- [A] EP 1881164 A1 20080123 - ANSALDO ENERGIA SPA [IT]
- [A] DE 1110178 B 19610706 - BBC BROWN BOVERI & CIE
- See references of WO 2010030271A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2010030271 A1 20100318; AU 2008361681 A1 20100318; AU 2008361681 B2 20120802; BR PI0823063 A2 20150616; CN 102165191 A 20110824; CN 102165191 B 20131030; EP 2331815 A1 20110615; EP 2331815 A4 20140409; EP 2331815 B1 20150603; IL 211669 A0 20110630; IL 211669 A 20150531; US 2011162398 A1 20110707

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