

■ PATENTS



A REFRIGERATOR PROVIDED WITH A FOOD WARMING COMPARTMENT

Abstract: This invention provides a refrigerator provided with a food warming compartment comprising a compressor from which the compressed refrigerant is passed through a condenser, a capillary tube and an evaporator provided with refrigerated space characterised in that the refrigerant is passed through an auxiliary condenser in addition to the said first condenser and a warm compartment on which the auxiliary condenser is located to provide heat extracted from the compressed refrigerant to the warm compartment.

Patent Number		198236	
Indian Patent Application Number		1379/MAS/1998	
PG Journal Number		30/2009	
Publication Date		24-Jul-09	
Date of Filing		22-Jun-98	
Name of Patentee		BPL REFRIGERATION LTD.,	
Applicant Address		1A & D Kadugodi Sadaramangala Industrial Estate, Whitefield Road, Whitefield, Bengaluru - 560066	
Inventors:			
#	Inventor's Name	Inventor's Address	
1	Lakkineni Venkat Ramprasad	No.59/1, Swaroop Nivas, Michael Palya, Indiranagar (PO), Bengaluru 560038	
PCT International Classification No.		F25D23/12	
PCT International Application No.		N/A	
PCT International Filing date			
PCT Conventions:			
#	PCT Application No.	Date of Convention	Priority Country
1			NA

US 8991068 B2

ABSTRACT: Energy efficiencies are achieved in a dryer or washer/dryer by selectively varying temperature ranges, time periods, heater power levels, and air flow rates. Efficiency improvements on the order of 16% were obtained over typical constant power, constant temperature, timed drying cycles by varying one or more of these parameters. Efficiencies can also be improved by drawing air from alternative warm sources such as an attic or warm external environment, or by heat recovery from dryer exhaust passages.

Publication number	US20120317832A1
Application number	US 13/162,109
Publication date	Dec 20, 2012
Filing date	Jun 16, 2011
Status	Granted
Grant date	March 31, 2015
Patent No.	US8991068B2
Inventors	Venkat Ramprasad Lakkineni, Martin Mitchell Zentner, Sanjay Manohar Anikhindi, Steve Bernard Froelicher, Nicholas Okruch, Jr., Michael Thomas Beyerle, Joshua Stephen Wiseman, Nemetalla Salameh, Less «
Original Assignee	General Electric Company
Export Citation	BiBTeX, EndNote, RefMan
Patent Citations (9), Classifications (14), Legal Events (2)	

A METHOD FOR OPERATING A DRYER APPLIANCE

US 20150337483 A1

ABSTRACT: A dryer appliance is provided. The dryer appliance includes a filter assembly with a filter medium. A first portion of the filter medium is disposed within an exhaust conduit when the filter medium is in a first position. A second portion of the filter medium is disposed within the exhaust conduit when the filter medium is in a second position. A method for operating a dryer appliance is also provided.

Publication number	US20150337483 A1
Application number	US 14/282,269
Publication date	Nov 26, 2015
Filing date	May 20, 2014
Status	Granted
Grant date	Mar 20, 2018
Patent No.	US9920469B2
Inventors	Lakkineni Venkat Ramprasad, Shree Kumar
Original Assignee	General Electric Company
Export Citation	BiBTeX, EndNote, RefMan
Classifications (6), Legal Events (2)	

WO 2014033506 A1

ABSTRACT : The solar water pump includes an organic fluid pump (102) connected to a receiver tank of a condenser (104) to pump and pressurize a liquefied organic fluid into the organic fluid tank (112) placed closer to a header of an evacuated tube collector (106) to store the pressurized liquefied organic fluid, a first pressure and temperature switch (114a) connected to the organic fluid tank (112) to sense the pressure and temperature of the organic fluid vapor and to operate a first solenoid valve (116a) placed between the organic fluid tank (112) and a power generator (118) for supplying the organic fluid vapor to the power generator (118) and a second pressure and temperature switch (114b) connected to the organic fluid tank (112) to control the power input to the organic fluid pump (102) through a circuit breaker (110); a second solenoid valve (116b), connected between the condenser chamber and the mechanical pump (120), prevents the flow of motive fluid from the condenser chamber to the mechanical pump (120) when the mechanical pump (120) is not in operation

Publication number	WO2014033506 A1
Publication type	Application
Application number	PCT/IB2012/055913
Publication date	Mar 6, 2014
Filing date	Oct 26, 2012
Priority date	Aug 28, 2012
Also published as	US20150240791
Inventors	Priyam SAXENA, Madhavi L

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1343/CHE/2015 A

(19) INDIA

(43) Publication Date : 10/04/2015

(22) Date of filing of Application : 18/03/2015

(54) Title of the invention:

SOLAR THERMAL POWER DRIVEN SYSTEM AND METHODS EMPLOYED THEREOF

(51) International classification: F04B	(71) Name of Applicant: 1) CH Suryaprakash
(31) Priority Document No: NA	Address of Applicant : 404, Vijaya Residency, Kukatpally, Hyderabad, Telangana, India.
(32) Priority Date: NA	2) L V Ramprasad
(33) Name of priority country: NA	(72) Name of Inventor:
(86) International Application No: NA	1) CH Suryaprakash
Filing Date: NA	2) L V Ramprasad
(87) International Publication No: NA	
(61) Patent of Addition to Application Number: NA	
Filing Date: NA	
(62) Divisional to Application Number: NA	
Filing Date: NA	

(57) Abstract: Exemplary embodiments of the present disclosure are directed towards solar thermal power driven system. The system includes a circulation tank, a liquid pump, a water tank, a condenser bank, non-return valves, solenoid valves, solar panels configured to intake working fluid from the liquid pump and absorbs solar energy to convert liquid working fluid into vapour and transfer into the circulation tank through the solenoid valves and the liquid working fluid from the bottom of circulation tank return back to the solar panels through the non return valves. The system further includes super heat panels for receiving high pressure vapour from the circulation tank and enable the high pressure superheated vapour enter into the double diaphragm pump through the valves used to move the diaphragms, whereby the movement of the diaphragms causes suction from the water well and discharge of water into the water tank and the expanded working fluid in vapour form reject heat to water in the water tank through the condenser bank and gets liquefied, an oil reservoir attached to the double diaphragm pump and the movement of diaphragms sucks oil from the oil reservoir and deliver the pressurized oil to the hydraulic motor to generates shaft power, and generator coupled to the hydraulic motor for converting shaft power to electric power.

No. of Pages : 22 No. of Claims : 10