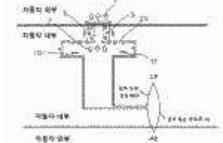


Patent families - 3 results

#		 Title	Publication number	1st app. date	Applicant/Assignee			
1.		Dispositivo cargador múltiple integrado portable	CO2018010683	2018-10-03	AMBIENTE SOLUCIONES	100 %		
The presente invención revela un dispositivo cargador múltiple integrado portable que tiene un módulo de panel solar ; un módulo de celda de Peltier , contenidos en un soporte ; el módulo de panel solar incluye un panel solar ; el módulo de celda de Peltier tiene una celda de Peltier ; el panel solar y la celda de Peltier están conectados a un controlador de carga variable que está conectado a un banco de baterías con salidas de corriente directa y conexión terminal tipo USB ; tiene un módulo de comunicación conectado al banco de baterías .								
2.		Self charging raspberry pi computer	IN201721013811	2017-04-18	ARJUN KULSHRESTHA PRASHANT CHATURVEDI PUNIT CHANDRA RITA JAIN SHASHILATA RAWAT 3 more...	65 %		
The Raspberry Pi 3 is the third generation Raspberry Pi. It replaced the Raspberry Pi 2 Model B in February 2016. This module contains a p13 a 3.5 inch screen with restive touch panel and a 1600mah Li-ion battery which is being charge by three sources. One source is from mini USB jack, it requires 5v of supply to charge the battery. For charging the battery of 3.7volts a buck converter is used and for further boost voltage requirement boost converter is used. Here in the back side of module a pair of solar panel is attached to utilize the solar energy to charge the Li-ion battery slowly with low current. Solar panel is used to continuously charge the battery slowly but it does increase battery charge when device is inactive. A peltier module is used in the board to utilize the heat loss in the form of charge. The charge generated by the peltier module due to difference in temperature is comparatively low but it extends the backup up to a certain amount.								
3.		Vehicle air conditioning device using thermoelectric element	KR20160091840	2016-01-25	LEE, JUNG-YONG	63 %		
The present invention relates to a vehicle air conditioning device using a thermoelectric element, in which a Seebeck element has one surface exposed to a shaded portion of the bottom surface of a vehicle and the other surface exposed to the inside of the vehicle, in which high temperature heat is generated, so that electricity is generated by the Seebeck element. Moreover, a Peltier element has a heat absorption portion exposed to the inside and a heat radiating portion exposed to the outside, and a wire is connected so that electricity generated by the Seebeck element becomes a power source of the Peltier element.								

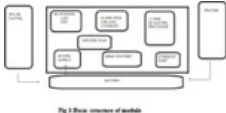


Fig. 3 Block structure of module

