

Title (en)  
A SYSTEM FOR UTILIZATION OF RENEWABLE ENERGY SOURCES

Title (de)  
SYSTEM ZUR VERWENDUNG VON ERNEUERBAREN ENERGIEQUELLEN

Title (fr)  
SYSTEME POUR L'UTILISATION DE SOURCES D'ENERGIE RENOUVELABLES

Publication  
**EP 1866574 A2 20071219 (EN)**

Application  
**EP 06716781 A 20060323**

Priority  
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• NO 20051559 A 20050323

Abstract (en)  
[origin: WO2006101405A2] A system for utilization of renewable energy resources and/or recovery of energy, comprising a multifunctional unit, which includes a water heater (1), and a heat pump (2). The heat pump is adapted to transfer heat and/or provide cooling to water in the water heater (1). The unit (1) comprises at least two thermally insulated tanks (3, 4) for thermal storage of hot water and/or cold water and/or ice. The tanks are also insulated from one another. The first tank (3) is in heat exchange with a superheat circuit in the heat pump for heating water in the tank (3) to a first and high temperature level. The second tank (4) is in heat exchange with a second circuit in the heat pump which is adapted to heat water in the second tank (4) to a second temperature level, which is lower than the first temperature level, or to cool down or freeze water in the second tank (4).

IPC 8 full level  
**F24D 3/08** (2006.01); **F24D 11/02** (2006.01); **F25B 29/00** (2006.01); **F25B 30/06** (2006.01); **F25B 40/04** (2006.01); **F28D 20/00** (2006.01); **F28D 20/02** (2006.01)

IPC 8 main group level  
**F25B** (2006.01)

CPC (source: EP)  
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Cited by  
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DOCDB simple family (publication)  
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