

Title (en)

MODULAR THERMAL WATER SOLAR PANEL SYSTEM

Title (de)

MODULARES WARMWASSER-SONNENKOLLEKTORSYSTEM

Title (fr)

SYSTÈME DE PANNEAU SOLAIRE MODULAIRE POUR CHAUFFE-EAU

Publication

EP 2464917 A1 20120620 (EN)

Application

EP 10829584 A 20100923

Priority

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- IB 2010002590 W 20100923

Abstract (en)

[origin: US2011073105A1] A modular thermal solar panel water heating system with a plurality of solar heating modules, each including a inlet manifolds and outlet manifolds and a thin tube array disposed between and in fluid communication with the inlet and outlet manifolds. Mounting and clamping apparatus attach the solar heating modules to a surface and providing secure clamping pressures on clamped elements even as clamped elements expand and contract. Fittings provide a watertight coupling between adjoining modules and bring each module into fluid communication with at least one adjoining module. In a panel array, one module includes a water inlet for connection to a source of water under pressure and another module includes a water outlet. A set of plugs are disposed on the manifolds in a configuration that ensures that water introduced into the water inlet flows across at least one thin tube array before exiting the water outlet.

IPC 8 full level

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CPC (source: EP US)

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