

Title (en)

DEVICE FOR COLLECTING RAIN WATER AND CALORIES FROM SOLAR RADIATION

Title (de)

VORRICHTUNG ZUR SAMMLUNG VON REGENWASSER UND KALORIEN AUS SONNENSTRAHLUNG

Title (fr)

DISPOSITIF DE CAPTATION D'EAUX PLUVIALES ET DE CALORIES PROVENANT DU RAYONNEMENT SOLAIRE.

Publication

EP 2019888 A1 20090204 (FR)

Application

EP 07766034 A 20070511

Priority

- FR 2007051256 W 20070511
- FR 0604235 A 20060512

Abstract (en)

[origin: WO2007132117A1] The invention concerns a device for collecting rain water and calories from solar radiation both for draining rain water and generating domestic hot water capable of being mounted at the base of a roof or on the edge of a balcony, comprising an open channel (2) having longitudinal walls and side walls (7, 8). The invention is characterized in that the open channel (2) has in cross-section a staged profile comprising first and second levels, in that a translucent or transparent covering plate (2) is mounted inside the open channel (2) at the second level being maintained by the side walls (7, 8) and delimits partly a sealed chamber (2b), in that a heat-exchanging device (20) inside which a coolant can flow is mounted inside said sealed chamber (2b), and in that the first level defines at least partly a section for the flow of rain water.

IPC 8 full level

E04D 13/064 (2006.01); **F24J 2/04** (2006.01); **F24S 10/75** (2018.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2007132117A1

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DOCDB simple family (publication)

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