

Title (en)

SOLAR THERMAL ROOF TILE WITH A CONNECTION ELEMENT WITH AN ADJUSTABLE LENGTH

Title (de)

SOLARTHERMIEDACHPFANNE MIT LÄNGENVERÄNDERLICHEM VERBINDUNGSELEMENT

Title (fr)

TUILE SOLAIRE THERMIQUE COMPRENANT UN ÉLÉMENT DE RACCORDEMENT VARIABLE EN LONGUEUR

Publication

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Application

EP 17702837 A 20170130

Priority

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Abstract (en)

[origin: CA3017355A1] The invention relates to a solar thermal roof tile (20) for obtaining thermal energy from solar radiation, the shape of the tile corresponding substantially to the shape of a conventional roof tile. The solar thermal roof tile has an absorber (26) through which a medium flows and which comprises a supply line (34) and a discharge line (36), said absorber being arranged on a base tile (22) used to secure the solar thermal roof tile (20) on a roof, wherein - the supply line (34) has a first connection element (38) at the free end of the supply line, - the discharge line (36) has a second connection element (40) at the free end of the discharge line, - at least one of the two lines (34, 36) is designed to have an adjustable length, - the two connection elements (38, 40) can be connected together, - in a main state, the two connection elements (38, 40) are arranged within external dimensions of the solar thermal roof tile (20), and - in an assembly state, at least one of the two connection elements (38, 40) can be drawn out beyond the external dimensions of the solar thermal roof tile (20) such that the connection element can be connected to a first connection element (38, 40) of an adjacent solar thermal roof tile (20).

IPC 8 full level

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