

Title (en)
SOLAR THERMAL COLLECTOR ELEMENT

Title (de)
SONNENKOLLEKTOR

Title (fr)
CAPTEUR SOLAIRE

Publication
EP 0991901 A1 20000412 (EN)

Application
EP 98928664 A 19980612

Priority
• NO 9800181 W 19980612
• NO 972738 A 19970613

Abstract (en)
[origin: WO9857101A1] Solar thermal collector element for building integrated mounting in wall facades, sloped roofs as free standing units, etc. the solar absorber sheet (2) thereby being a sheet having substantially the same coefficient of thermal expansion as the glass pane (1), including a high internal thermal conductivity and a high heat absorbtion capacity from heat radiation, the absorber sheet (2) and the glass pane (1) being sealed and connected to each other by circumferential lists, e.g. spacers (5) in such a way that the solar absorber sheet (2) the glass pane (1) and the lists being a sealed closed building unit, the unit being adapted to be mounted at a distance from an insulated wall, the space (3) between the insulation (4) and the absorber sheet (2) being part of a duct system for heating and transporting air.

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F24J 2/04; E04D 13/18

IPC 8 full level
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F24S 20/66 (2018.05 - EP US); **F24S 40/80** (2018.05 - EP); **F24S 70/10** (2018.05 - EP); **F24S 80/50** (2018.05 - EP US); **H10F 77/68** (2025.01 - EP US); **F24S 2025/011** (2018.05 - EP); **Y02B 10/10** (2013.01 - EP); **Y02B 10/20** (2013.01 - EP); **Y02E 10/40** (2013.01 - EP); **Y02E 10/50** (2013.01 - EP)

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