

Title (en)  
RADIATION COLLECTOR

Title (de)  
STRAHLUNGSKOLLEKTOR

Title (fr)  
COLLECTEUR DE RAYONNEMENTS

Publication  
**EP 1831614 A1 20070912 (DE)**

Application  
**EP 05824071 A 20051213**

Priority  
• EP 2005013339 W 20051213  
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Abstract (en)  
[origin: US2006130827A1] A solar thermal collector comprising multiplicity of chords and webs is disclosed. The first, second and third horizontal chord of the solar thermal collector are connected to one another by webs positioned vertically to said horizontal chords. The first horizontal chord is transparent and the second horizontal chord, which is positioned between the first and third horizontal chords, absorbs thermal radiation and is perforated. The horizontal chords and said webs of the inventive solar thermal collector comprise thermoplastic materials. Producing the solar thermal collector including perforating the second horizontal chord by means of a laser beam is also disclosed.

IPC 8 full level  
**D04H 1/407** (2012.01); **F24J 2/20** (2006.01); **F24J 2/24** (2006.01); **F24J 2/28** (2006.01); **F24S 10/50** (2018.01); **F24S 10/70** (2018.01); **F24S 10/80** (2018.01); **F24S 90/00** (2018.01)

CPC (source: EP US)  
**F24S 10/501** (2018.04 - EP US); **F24S 10/73** (2018.04 - EP US); **F24S 10/80** (2018.04 - EP US); **Y02E 10/44** (2013.01 - EP US)

Citation (search report)  
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