Title (en)

SOLAR COLLECTORS

Title (de)

SOLARKOLLEKTOREN

Title (fr)

CAPTEURS SOLAIRES

Publication

EP 2052195 A2 20090429 (EN)

Application

EP 07805251 A 20070727

Priority

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- ZA 200608651 A 20061017

Abstract (en)

[origin: WO2008012779A2] The invention concerns a solar collector (10) which has at least one radiation-transmitting prism (16) which is wedge shaped in cross section. The prism has major side surfaces (20, 21) converging at an acute angle to a relatively narrow, operatively upper end (24). The opposite, lower end (26) of the prism is wider. A refractor (18) is arranged over the prism to refract solar radiation incident thereon onto the major side surfaces of the prism, as the sun moves relative to the earth, at angles allowing such radiation to enter the prism and be internally reflected therein towards a target at or adjacent the relatively wide end of the prism. The configuration allows high levels of solar concentration to be achieved.

IPC 8 full level

F24S 23/00 (2018.01); **F24S 23/30** (2018.01)

CPC (source: EP US)

F24S 23/00 (2018.04 - EP US); **F24S 23/10** (2018.04 - EP US); **F24S 23/31** (2018.04 - EP US); **F24S 30/42** (2018.04 - EP US); **F24S 50/20** (2018.04 - EP US); **H01L 31/0521** (2013.01 - EP US); **H01L 31/0543** (2014.12 - EP US); **H01L 31/0547** (2014.12 - EP US); **H02S 40/44** (2014.12 - EP US); Y02E 10/44 (2013.01 - EP US); Y02E 10/47 (2013.01 - EP US); Y02E 10/52 (2013.01 - EP US); Y02E 10/60 (2013.01 - EP US)

Citation (search report)

See references of WO 2008012779A2

Designated contracting state (EPC)

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Designated extension state (EPC)

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