

Title (en)

SOLID CORE STRUCTURE PARABOLIC TROUGH SOLAR ENERGY COLLECTION SYSTEM

Title (de)

SONNENENERGIEGEWINNUNGSSYSTEM MIT FESTEM KERNGEFÜGE UND PARABOLRINNE

Title (fr)

SYSTÈME DE COLLECTE D ÉNERGIE SOLAIRE CYLINDRO-PARABOLIQUE À STRUCTURE CENTRALE SOLIDE

Publication

EP 2464919 A2 20120620 (EN)

Application

EP 10745091 A 20100811

Priority

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- US 2010045240 W 20100811

Abstract (en)

[origin: WO2011019860A2] Foam backed solid support structure and trough solar energy collector. A support structure has foam or other polymeric material, a plurality of end arms, and a plurality of end caps secured to the formed foam material. The foam material is cut into a parabolic or semi-parabolic shape, and a reflective element may be placed onto the formed foam material and secured mechanically, with adhesion, and/or integrated with the surface. A solar energy collector formed using a polymeric core may have longitudinally-extending cowlings, end caps, and end arms as described.

IPC 8 full level

F24S 23/70 (2018.01); **F24S 23/71** (2018.01); **F24S 23/74** (2018.01)

CPC (source: EP US)

F24S 23/74 (2018.04 - EP US); **F24S 23/80** (2018.04 - EP US); **F24S 2023/874** (2018.04 - EP US); **F24S 2025/012** (2018.04 - EP US); **Y02B 10/20** (2013.01 - EP US); **Y02E 10/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2011019860A2

Designated contracting state (EPC)

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