

Title (en)
FLAT SURFACED TITLE WITH SOLAR ENERGY COLLECTION CAPABILITY

Title (de)
FLACHER DACHZIEGEL MIT GEWINNUNG VON SOLARENERGIE

Title (fr)
TUILE A SURFACE PLANE POUVANT CAPTER L'ENERGIE SOLAIRE

Publication
EP 1208335 A1 20020529 (EN)

Application
EP 00980262 A 20001116

Priority
• US 0030142 W 20001116
• US 16616699 P 19991118

Abstract (en)
[origin: WO0136882A1] A surfacing tile for use as a part of a solar energy collection system comprising a tile member (10) which has opposing spaced planar faces (2, 4) that define front and back faces, respectively, at least one side (6, 8), a top and a bottom (12, 14), and is adapted to be supported on a support surface (16) so that an open airflow chamber (18) is created directly between the back face and said support surface, a substantial portion of said tile member being constructed of a material that transmits solar radiation, thus permitting the transmitted solar radiation to strike and heat air within said flow space (18) and said support surface (16) which collectively heats air in the flow space (18), and fasteners (22) fixing said tile member (10) to said support surface, said tile (10) and said support surface (16) cooperating to form at least a portion of a conduit for conveying heated air through said flow space (18).

IPC 1-7
F24J 2/04

IPC 8 full level
E04D 1/16 (2006.01); **E04D 1/20** (2006.01); **E04D 1/34** (2006.01); **E04D 3/40** (2006.01); **E04D 12/00** (2006.01); **F24J 2/04** (2006.01); **H01L 31/048** (2006.01)

CPC (source: EP US)
E04D 1/16 (2013.01 - EP US); **E04D 1/20** (2013.01 - EP US); **E04D 1/2918** (2019.07 - EP); **E04D 1/30** (2013.01 - EP US); **E04D 1/34** (2013.01 - EP US); **E04D 3/40** (2013.01 - EP); **E04D 12/004** (2013.01 - EP); **F24S 20/69** (2018.04 - EP); **E04D 2001/3411** (2013.01 - EP US); **E04D 2001/3414** (2013.01 - EP US); **E04D 2001/3423** (2013.01 - EP US); **E04D 2001/3458** (2013.01 - EP US); **E04D 2001/3467** (2013.01 - EP US); **E04D 2001/3473** (2013.01 - EP US); **E04D 2001/3494** (2013.01 - EP US); **H02S 20/25** (2014.12 - EP); **Y02B 10/20** (2013.01 - EP); **Y02E 10/40** (2013.01 - EP); **Y02E 10/50** (2013.01 - EP)

Citation (search report)
See references of WO 0136882A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0136882 A1 20010525; AU 1754701 A 20010530; EP 1208335 A1 20020529

DOCDB simple family (application)
US 0030142 W 20001116; AU 1754701 A 20001116; EP 00980262 A 20001116