

Title (en)
BUILDING COMPONENT WITH SOLAR CELLS

Title (de)
BAUKOMPONENTE MIT SOLARZELLEN

Title (fr)
COMPOSANT DE CONSTRUCTION À CELLULES SOLAIRES

Publication
EP 2044633 A1 20090408 (EN)

Application
EP 07789021 A 20070717

Priority
• GB 2007002690 W 20070717
• GB 0614253 A 20060718

Abstract (en)
[origin: WO2008009916A1] A building component is shown having a substantially rigid support frame (201). In addition, the component has a first substantially transparent or translucent flexible sheet (301) and a second substantially transparent or translucent flexible sheet (302) attached to frame (201) to define an inflatable element. At least one region (203) of the flexible photo-voltaic laminate material is secured to one of the flexible sheets (301) such that when inflated and when constructed the photo-voltaic material (203) generates electrical energy and provides a degree of shading under conditions of sunlight.

IPC 8 full level
H01L 31/042 (2006.01); **A01G 9/22** (2006.01); **E04H 15/20** (2006.01); **E04H 15/58** (2006.01); **E06B 9/24** (2006.01); **H01L 31/048** (2006.01)

CPC (source: EP GB US)
A01G 9/1415 (2013.01 - EP US); **A01G 9/225** (2013.01 - EP US); **A01G 9/243** (2013.01 - EP US); **E04B 7/08** (2013.01 - GB); **E04B 7/14** (2013.01 - EP US); **E04D 5/06** (2013.01 - GB); **E04H 15/648** (2013.01 - EP US); **H02S 20/23** (2014.12 - EP GB US); **H02S 20/26** (2014.12 - EP US); **E04H 2015/205** (2013.01 - EP US); **Y02A 40/25** (2018.01 - EP); **Y02B 10/10** (2013.01 - EP US); **Y02E 10/50** (2013.01 - EP); **Y02P 60/12** (2015.11 - EP US)

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
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