

Title (en)

A SYSTEM FOR SHIELDING A BUILDING FROM SUN RAYS

Title (de)

SYSTEM ZUR ABSCHIRMUNG EINES GEBÄUDES VON SONNENSTRAHLEN

Title (fr)

SYSTÈME DE PROTECTION D'UN BÂTIMENT CONTRE LES RAYONS SOLAIRES

Publication

EP 4115044 B1 20240403 (EN)

Application

EP 21711027 A 20210216

Priority

- IT 202000004483 A 20200303
- IB 2021051279 W 20210216

Abstract (en)

[origin: WO2021176288A1] The present invention relates to a system (1) for shielding sun rays comprising: at least a first glass (2); at least a second PVD coating-free glass (3) and associated to the first glass (2) by means of a supporting frame (5) for forming a gap (51); a sun ray protection device (4) inserted in the gap (51), said sun ray protection device (4) defining: - a plurality of transparent areas (41) for letting sun rays pass through, such plurality of transparent areas (41) enabling sun rays to pass with a certain incidence angle while sun rays having other incidence angles are not able to pass through said plurality of transparent areas (41); - a plurality of blind areas (42) configured not to let sun rays pass, such blind areas (42) identifying a first surface (421) facing the second PVD coating-free glass (3) and a second surface (422) opposite to the first surface (421); such plurality of blind areas (42) have a reflection in the visible (pv) lower than 50% and have an reflection index of sun rays (pe) higher than the reflection index in the visible (pv).

IPC 8 full level

E06B 9/24 (2006.01); **E06B 9/264** (2006.01)

CPC (source: EP IL)

E06B 9/24 (2013.01 - EP IL); **E06B 9/264** (2013.01 - EP IL); **E06B 2009/2405** (2013.01 - EP IL); **E06B 2009/2643** (2013.01 - EP IL)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2021176288 A1 20210910; CN 115210443 A 20221018; EP 4115044 A1 20230111; EP 4115044 B1 20240403; IL 295021 A 20220901; IL 295021 B1 20240101; IL 295021 B2 20240501; IT 202000004483 A1 20210903

DOCDB simple family (application)

IB 2021051279 W 20210216; CN 202180017256 A 20210216; EP 21711027 A 20210216; IL 29502122 A 20220724; IT 202000004483 A 20200303