

Title (en)  
SUNSHINE SHIELDING DEVICE AND SLAT

Title (de)  
SONNENSCHUTZVORRICHTUNG UND LAMELLE

Title (fr)  
DISPOSITIF DE PROTECTION CONTRE LE SOLEIL ET ÉLÉMENT LAMELLE

Publication  
**EP 3677747 A4 20201021 (EN)**

Application  
**EP 18852174 A 20180830**

Priority  
• JP 2017168017 A 20170831  
• JP 2018032140 W 20180830

Abstract (en)  
[origin: EP3677747A1] Provided is a sunshine shielding device capable of reducing the thickness of a shielding material that reflects heat rays. The horizontal blind includes a head box that hangs a lift cords and slats 12 that moves up and down by raising and lowering the lift cord. The slat 12 includes: a base 31 having a convex surface 31a and a concave surface 31b; an infrared reflection layer 33 that reflects infrared rays on the concave surface 31b of the base 31; and a sunlight reflection layer 32 that reflects sunlight on the convex surface 31a. The infrared reflection layer 33 is formed by thermal transfer.

IPC 8 full level  
**E06B 9/24** (2006.01); **E06B 9/386** (2006.01)

CPC (source: EP)  
**E06B 9/386** (2013.01)

Citation (search report)  
• [XY] DE 19926272 A1 20001214 - TV MAINROLLO GMBH [DE]  
• [X] DE 202004020644 U1 20050929 - MULTIFILM SONNEN UND BLENDSCHU [DE]  
• [XY] US 9063287 B2 20150623 - NAGAHAMA TSUTOMU [JP], et al  
• [X] CN 202100175 U 20120104 - CMECH GUANGZHOU IND CO LTD  
• [X] EP 0134551 A2 19850320 - SCHENKER EMIL AG [CH]  
• [YA] SE 400601 B 19780403 - NORDSTJERNAN REDERI AB [SE]  
• See references of WO 2019044981A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3677747 A1 20200708; EP 3677747 A4 20201021**; CN 111194375 A 20200522; JP 2019044461 A 20190322; WO 2019044981 A1 20190307

DOCDB simple family (application)  
**EP 18852174 A 20180830**; CN 201880065541 A 20180830; JP 2017168017 A 20170831; JP 2018032140 W 20180830