

Title (en)
COMPOSITE PANE WITH AN INTEGRATED LIGHT SENSOR

Title (de)
VERBUNDSCHIEBE MIT INTEGRIERTEM LICHTSENSOR

Title (fr)
VITRE FEUILLETÉE À CAPTEUR DE LUMINOSITÉ INTÉGRÉ

Publication
EP 3927542 A1 20211229 (DE)

Application
EP 20702328 A 20200205

Priority
• EP 19158255 A 20190220
• EP 2020052790 W 20200205

Abstract (en)
[origin: WO2020169338A1] The present invention relates to a composite pane (100) and in particular to a composite vehicle pane (100) with an integrated light sensor (4), comprising: - an outer pane (1) and an inner pane (2), interconnected by at least one thermoplastic intermediate layer (3), and - at least one light sensor (4) having a light-sensitive surface (4.1), which is provided between the outer pane (1) and the inner pane (2), wherein - the light-sensitive surface (4.1) faces the outer pane (1) and - provided between the light-sensitive surface (4.1) and the outer pane (1) is a shadow mask (11) that covers at least some portions of the light-sensitive surface (4.1).

IPC 8 full level
B32B 17/10 (2006.01)

CPC (source: EP KR RU US)
B32B 17/10036 (2013.01 - EP KR RU US); **B32B 17/10293** (2013.01 - EP KR); **B32B 17/10348** (2013.01 - EP KR);
B32B 17/10357 (2013.01 - EP KR US); **B32B 17/1044** (2013.01 - KR US); **B32B 17/10761** (2013.01 - EP US); **B32B 17/1077** (2013.01 - EP US);
B32B 17/10788 (2013.01 - EP US); **B32B 17/10807** (2013.01 - US); **B60Q 1/00** (2013.01 - RU); **B60Q 1/0023** (2013.01 - KR US);
B60Q 1/08 (2013.01 - US); **G01J 1/0437** (2013.01 - US); **G01J 1/4204** (2013.01 - US); **G02B 5/32** (2013.01 - KR);
B32B 2307/4023 (2013.01 - US); **B32B 2307/412** (2013.01 - US); **B32B 2307/732** (2013.01 - US); **B32B 2605/006** (2013.01 - EP US);
B32B 2605/08 (2013.01 - KR)

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)
WO 2020169338 A1 20200827; BR 112021014138 A2 20210921; CN 112262042 A 20210122; EP 3927542 A1 20211229;
JP 2022521921 A 20220413; JP 7365422 B2 20231019; KR 20210118432 A 20210930; MA 55003 A 20211229; MX 2021010054 A 20210921;
PE 20212005 A1 20211018; RU 2765895 C1 20220204; US 11927474 B2 20240312; US 2023168121 A1 20230601

DOCDB simple family (application)
EP 2020052790 W 20200205; BR 112021014138 A 20200205; CN 202080000589 A 20200205; EP 20702328 A 20200205;
JP 2021549261 A 20200205; KR 20217026168 A 20200205; MA 55003 A 20200205; MX 2021010054 A 20200205; PE 2021001340 A 20200205;
RU 2021122361 A 20200205; US 202017432315 A 20200205