

Title (en)
MULTI-LAYERED GLASS AND FITTING PROVIDED THEREWITH

Title (de)
MEHRSCICHTIGES GLAS UND DAMIT VERSEHENE ARMATUR

Title (fr)
VITRE MULTICOUCHE ET GARNITURE ÉQUIPÉE DE CELLE-CI

Publication
EP 3845735 A4 20220608 (EN)

Application
EP 19855302 A 20190820

Priority

- JP 2018163829 A 20180831
- JP 2018163830 A 20180831
- JP 2018163831 A 20180831
- JP 2018163832 A 20180831
- JP 2019032472 W 20190820

Abstract (en)
[origin: EP3845735A1] Provided are a multi-layered glass and a fitting, which are configured so as to prevent formation of a gap connecting the inside of a room to the outside thereof. Multi-layered glasses 310, 320 are provided with first glasses 311, 323, second glasses 313, 321, and reinforcement materials 316, 325 disposed between the first glasses 311, 323 and the second glasses 313, 321, respectively, wherein: at least at one respective ends of the multi-layered glasses, one respective ends of the second glasses 313, 321 have protruding parts 313b, 321b that protrude toward a planar-direction outer side of the glass surfaces of the second glasses 313, 321 beyond end surfaces 311a, 323a of the first glasses 311, 323; and shielding parts 316a, 325a are provided to portions, of the multi-layered glasses 310, 320, each corresponding at least to an interior-side glass surface or an exterior-side glass surface of the protruding part 313b, 321b.

IPC 8 full level
E06B 7/22 (2006.01); **E05D 15/10** (2006.01); **E05D 15/56** (2006.01); **E06B 3/46** (2006.01); **E06B 3/50** (2006.01); **E06B 3/66** (2006.01); **E06B 7/23** (2006.01)

CPC (source: EP)
E06B 3/025 (2013.01); **E06B 3/4609** (2013.01); **E06B 3/4681** (2013.01); **E06B 3/50** (2013.01); **E06B 3/5081** (2013.01); **E06B 3/66** (2013.01); **E06B 3/6617** (2013.01); **E05D 15/1042** (2013.01); **E05D 15/565** (2013.01); **E05Y 2900/132** (2013.01); **E06B 7/2301** (2013.01)

Citation (search report)

- [X] DE 631068 C 19360611 - ANTON POTTHOFF & HELMUTH LOREN
- [X] GB 988191 A 19650407 - ELTREVA AG
- [X] CH 317797 A 19561215 - BAER SOEHNE [CH]
- See references of WO 2020045170A1

Cited by
FR3129682A1; FR3133402A1

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)
EP 3845735 A1 20210707; EP 3845735 A4 20220608; WO 2020045170 A1 20200305

DOCDB simple family (application)
EP 19855302 A 20190820; JP 2019032472 W 20190820