

Title (en)
Sash

Title (de)
Flügelrahmen

Title (fr)
Vantaux

Publication
EP 2921632 A1 20150923 (EN)

Application
EP 14192934 A 20141113

Priority
JP 2014055455 A 20140318

Abstract (en)
A sash and a fitting using the sash include first and second fixed glass plates 211 and 212 that are bonded to each other with a heat-insulating space 215 held therebetween by interposing a spacer member 214 between peripheral ends of the first and the second glass plates 211 and 212, and a third fixed glass plate 213 that has a rectangular shape having smaller outside dimensions than those of the first fixed glass plate 211, and is bonded to the first fixed glass plate 211 with a heat-insulating space 217 held between the third fixed glass plate 213 and the first fixed glass plate 211 by interposing a spacer member 216 at peripheral ends of the third fixed glass plate 213 with an end face on the tail end side thereof lying on the same plane as that of the first fixed glass plate 211. Rail and stile members 22, 23, and 24 are bonded to a surface of the first fixed glass plate 211 at peripheral ends where end faces of the first fixed glass plate 211 project more than end faces of the third fixed glass plate 213. A stile member 25 is bonded to a surface of the third fixed glass plate 213 at a peripheral end where an end face of the first fixed glass plate 211 aligns with an end face of the third fixed glass plate 213.

IPC 8 full level
E06B 3/66 (2006.01); **E06B 3/10** (2006.01); **E06B 3/46** (2006.01)

CPC (source: EP)
E06B 3/6617 (2013.01); **E06B 3/10** (2013.01); **E06B 3/4636** (2013.01)

Citation (applicant)
• DE 102009012202 A1 20100916 - GRUNERT GERD [DE], et al
• JP 2002061459 A 20020228 - KIHARA MASAYUKI

Citation (search report)
• [I] FR 74440 E 19601219
• [I] NZ 546256 A 20080530 - JULIAN MCKINLAY KING

Cited by
GB2569337A; GB2569337B; NO20190932A1; NO345843B1; EP4004322A4; WO2021020970A1; WO2020147907A1; US11767704B2; US11802435B2; US11834895B2; US11891853B2; US11959331B2; US12012800B2

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

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EP 2921632 A1 20150923; EP 2921632 B1 20190320; CN 104929488 A 20150923; JP 2015178700 A 20151008; JP 6393051 B2 20180919

DOCDB simple family (application)
EP 14192934 A 20141113; CN 201410730751 A 20141205; JP 2014055455 A 20140318