

Title (en)

Structural insulating panel and flat roof structure employing same

Title (de)

Dämmplattenpanel und Flachdachkonstruktion mit dessen Einsatz

Title (fr)

Panneau à isolation structurelle et structure de toit plat l'utilisant

Publication

**EP 2116664 A1 20091111 (EN)**

Application

**EP 09159733 A 20090508**

Priority

US 11801108 A 20080509

Abstract (en)

A structural insulating panel (32,32,232) for use in a flat roof structure comprises upper (62,162,262) and lower (64,164,264) structural layers and an intermediate layer (60,160,260) between the upper (62,162,262) and lower (64,164,264) structural layers. The intermediate layer (60,160,260) is shaped such that the upper structural layer (62,162,262) is sloped relative to a generally horizontal plane when the structural insulating panel (32,132,232) is installed in a flat roof structure (30).

IPC 8 full level

**E04D 3/35** (2006.01); **E04D 13/04** (2006.01); **E04D 13/16** (2006.01)

CPC (source: EP US)

**E04D 3/352** (2013.01 - EP US); **E04D 13/0481** (2013.01 - EP US); **E04D 13/1693** (2013.01 - EP US)

Citation (applicant)

- US 5144782 A 19920908 - PAQUETTE JEAN-PAUL [CA], et al
- DE 4441646 A1 19960605 - LUX KG [DE]
- GB 966931 A 19640819 - RUBEROIDWERKE AG [DE]

Citation (search report)

- [XY] DE 4441646 A1 19960605 - LUX KG [DE]
- [XY] GB 966931 A 19640819 - RUBEROIDWERKE AG [DE]
- [XP] WO 2008083970 A1 20080717 - ROCKWOOL MINERALWOLLE [DE], et al
- [Y] DE 9010537 U1 19911114
- [Y] EP 0399346 A1 19901128 - PHILIPPINE GMBH & CO DAEMMSTOF [DE]
- [Y] DE 8807466 U1 19880818
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CN112593662A; EA032677B1; US9303411B2; WO2013172775A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2116664 A1 20091111**; CA 2665652 A1 20091109; CA 2665652 C 20161018; CN 101603356 A 20091216; US 2009277113 A1 20091112

DOCDB simple family (application)

**EP 09159733 A 20090508**; CA 2665652 A 20090508; CN 200910149793 A 20090511; US 11801108 A 20080509