

Title (en)

Multilayered foil with at least one diffusion barrier layer and its use for vacuum insulation panels

Title (de)

Folienlaminat mit wenigstens einer Diffusionssperrschicht und deren Verwendung bei Vakuumisulationspaneelen

Title (fr)

Feuille composite ayant une couche barrière de diffusion et son utilisation pour panneaux à isolation sous vide

Publication

**EP 1607216 B8 20090603 (DE)**

Application

**EP 05012727 A 20050614**

Priority

DE 102004028839 A 20040616

Abstract (en)

[origin: EP1607216A1] Film laminate (I) with at least one diffusion barrier layer (A) for the production of vacuum insulating panels, has a heat sealing layer on at least one surface which contains at least one layer of an additional diffusion barrier (B) within a co-extruded composite. An independent claim is also included for vacuum insulating panels comprising an inert filler completely enclosed in an essentially gas-tight envelope of (I) which is then evacuated.

IPC 8 full level

**B32B 27/32** (2006.01); **B32B 27/08** (2006.01); **B32B 33/00** (2006.01); **B32B 37/00** (2006.01); **E04B 1/80** (2006.01); **F16L 59/065** (2006.01)

CPC (source: EP US)

**B32B 7/12** (2013.01 - US); **B32B 27/08** (2013.01 - EP US); **B32B 27/18** (2013.01 - US); **B32B 27/306** (2013.01 - US); **B32B 27/32** (2013.01 - US); **B32B 27/34** (2013.01 - US); **B32B 27/36** (2013.01 - US); **B32B 33/00** (2013.01 - EP US); **E04B 1/803** (2013.01 - EP US); **F16L 59/065** (2013.01 - EP US); **B32B 2037/246** (2013.01 - US); **B32B 2038/0092** (2013.01 - US); **B32B 2250/40** (2013.01 - US); **B32B 2255/10** (2013.01 - US); **B32B 2255/205** (2013.01 - US); **B32B 2270/00** (2013.01 - US); **B32B 2307/304** (2013.01 - US); **B32B 2307/306** (2013.01 - EP US); **B32B 2307/3065** (2013.01 - US); **B32B 2307/31** (2013.01 - US); **B32B 2307/7242** (2013.01 - EP US); **B32B 2323/04** (2013.01 - US); **B32B 2323/10** (2013.01 - US); **B32B 2329/00** (2013.01 - US); **B32B 2367/00** (2013.01 - US); **B32B 2377/00** (2013.01 - US); **B32B 2509/10** (2013.01 - US); **B32B 2607/00** (2013.01 - EP US); **Y02A 30/242** (2018.01 - EP US); **Y02B 80/10** (2013.01 - EP US); **Y10T 428/231** (2015.01 - EP US); **Y10T 428/2826** (2015.01 - EP US); **Y10T 428/2878** (2015.01 - EP US); **Y10T 428/31786** (2015.04 - EP US); **Y10T 428/31855** (2015.04 - EP US); **Y10T 428/31938** (2015.04 - EP US)

Cited by

US10167665B2; US10301868B2; US10190359B2; US10508486B2; US10344525B2; EP2802726B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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**EP 1607216 A1 20051221**; **EP 1607216 B1 20081105**; **EP 1607216 B8 20090603**; AT E413272 T1 20081115; DE 102004028839 A1 20051229; DE 502005005854 D1 20081218; PL 1607216 T3 20090630; US 2006003138 A1 20060105

DOCDB simple family (application)

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