

Title (en)

EDGE SEALANTS HAVING BALANCED PROPERTIES

Title (de)

KANTENDICHTUNGEN MIT AUSGEGLICHENEN EIGENSCHAFTEN

Title (fr)

MATÉRIAUX DE SCELLEMENT DE BORD PRÉSENTANT DES PROPRIÉTÉS ÉQUILIBRÉES

Publication

EP 2489069 A1 20120822 (EN)

Application

EP 10824122 A 20101014

Priority

- US 67925010 A 20100319
- US 25151709 P 20091014
- US 2010052733 W 20101014

Abstract (en)

[origin: WO2011047194A1] A sealant composition for use in two-pane or multi-pane insulating glass or solar modules, the sealant composition including: a) an olefinic polymer having a number average molecular weight from about 100 D to about 700,000 D, preferably from about 100 D to about 300,000 D; b) a modified olefinic polymer; c) a fine-particle inert filler; d) at least one of a desiccant and a water scavenger; and e) an aging resistor. The sealant composition has a tensile strength greater than 20 PSI, preferably greater than 50 PSI, a lap shear strength greater than 20 PSI, preferable greater than 40 PSI, and the tensile and lap shear strengths balanced such that the sealant fails cohesively before failing adhesively.

IPC 8 full level

C09K 3/10 (2006.01); **E06B 3/673** (2006.01)

CPC (source: EP KR)

C08K 3/00 (2013.01 - KR); **C08K 3/34** (2013.01 - KR); **C08L 23/00** (2013.01 - KR); **C08L 23/02** (2013.01 - EP KR); **C08L 23/26** (2013.01 - KR); **C08L 101/10** (2013.01 - KR); **C09K 3/10** (2013.01 - EP KR); **H01L 23/295** (2013.01 - EP KR); **H01L 31/042** (2013.01 - KR); **C08L 23/26** (2013.01 - EP); **H01L 2924/0002** (2013.01 - EP KR); **Y02E 10/50** (2013.01 - EP)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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