

Title (en)
USE OF CARBON BLACK FOR OXIDATIVE AND HEAT STABILITY IN SOLAR MODULE APPLICATIONS

Title (de)
VERWENDUNG VON RUSS FÜR OXIDATIONS- UND WÄRMESTABILITÄT IN SOLARMODULANWENDUNGEN

Title (fr)
UTILISATION DU NOIR DE CARBONE POUR LA STABILITE À L'OXYDATION ET A LA CHALEUR DANS DES APPLICATIONS DE MODULE SOLAIRE

Publication
EP 2488597 A1 20120822 (EN)

Application
EP 10828748 A 20101014

Priority

- US 67925010 A 20100319
- US 25155109 P 20091014
- US 2010052727 W 20101014

Abstract (en)
[origin: WO2011056379A1] An edge seal for manufacturing two-pane or multi-pane insulating glass or solar modules includes a sealant and a bonding agent. The sealant contains a polymer modified with special reactive groups and has the following overall composition: olefinic polymers included in an amount from about 10 % to about 90 % by weight of the total composition; at least one filler included in an amount from about 10 % to about 65 % by weight of the total composition; at least one inorganic filler that is a thermal and oxidative stabilizer in an amount from about 2 % to about 30 %; at least one of a desiccant and a water scavenger included in an amount from about 2.5 % to about 25 % by weight of the total composition; and at least one aging resistor including an anti-oxidant or UV stabilizer included in an amount from about 0 % to about 3 % by weight of the total composition.

IPC 8 full level
C09J 183/00 (2006.01)

CPC (source: EP KR)
C09J 133/02 (2013.01 - EP); **C09J 133/06** (2013.01 - EP); **C09J 183/00** (2013.01 - KR); **C09J 183/04** (2013.01 - EP); **H01L 31/04** (2013.01 - KR); **C08K 3/04** (2013.01 - EP); **C08K 5/13** (2013.01 - EP); **C08L 43/04** (2013.01 - EP); **Y02E 10/50** (2013.01 - EP)

Citation (search report)
See references of WO 2011056379A1

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)
WO 2011056379 A1 20110512; CN 102695769 A 20120926; EP 2488597 A1 20120822; JP 2013509454 A 20130314; KR 20120097497 A 20120904

DOCDB simple family (application)
US 2010052727 W 20101014; CN 201080056581 A 20101014; EP 10828748 A 20101014; JP 2012534370 A 20101014; KR 20127011886 A 20101014