

Title (en)
FASTENER SEALING MATERIAL AND METHOD

Title (de)
DICHTUNGSMATERIAL FÜR BEFESTIGUNGSELEMENT UND VERFAHREN

Title (fr)
MATÉRIAU ET PROCÉDÉ DE SCELLEMENT D'ÉLÉMENT DE FIXATION

Publication
EP 3870666 A1 20210901 (EN)

Application
EP 19802370 A 20191022

Priority
• US 201816166654 A 20181022
• US 2019057310 W 20191022

Abstract (en)
[origin: WO2020123037A1] A fastener sealing material for application to fasteners is formulated from an acrylate present in a concentration of about 90 to about 97 percent by weight of the sealing material and a nanostructured material present in a concentration of about 3 to about 10 percent by weight of the sealing material. The sealant is applied to the fastener as a liquid and is cured using an ultraviolet or LED light source and without the use of heat.

IPC 8 full level
C09J 4/00 (2006.01); **C09J 133/00** (2006.01); **C09J 175/16** (2006.01); **F16B 33/00** (2006.01)

CPC (source: EP KR)
C08F 2/48 (2013.01 - KR); **C08F 220/343** (2020.02 - KR); **C08F 222/1065** (2020.02 - EP KR); **C08K 5/549** (2013.01 - KR);
C09D 175/06 (2013.01 - EP); **C09J 4/00** (2013.01 - EP); **C09J 133/00** (2013.01 - EP); **C09J 175/16** (2013.01 - EP); **C09K 3/1006** (2013.01 - KR);
F16B 33/004 (2013.01 - EP KR); **F16B 39/225** (2013.01 - EP KR); **C08G 2190/00** (2013.01 - EP KR); **C09K 2003/1062** (2013.01 - KR)

C-Set (source: EP)
1. **C09J 4/00 + C08F 222/1065**
2. **C08F 222/1065 + C08F 222/1061**
3. **C09D 175/06 + C08K 5/549**

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 2020123037 A1 20200618; BR 112021007705 A2 20210727; BR 112021007705 B1 20230314; CA 3117448 A1 20200618;
CN 113195660 A 20210730; CN 113195660 B 20230602; EP 3870666 A1 20210901; JP 2022511640 A 20220201; KR 102474219 B1 20221202;
KR 20210080489 A 20210630; MX 2021004654 A 20210528; TW 202031851 A 20200901; TW I788597 B 20230101

DOCDB simple family (application)
US 2019057310 W 20191022; BR 112021007705 A 20191022; CA 3117448 A 20191022; CN 201980082211 A 20191022;
EP 19802370 A 20191022; JP 2021522010 A 20191022; KR 20217015479 A 20191022; MX 2021004654 A 20191022;
TW 108138026 A 20191022