

Title (en)
CROSS-LINKABLE ADHESIVE COMPOUND

Title (de)
VERNETZBARE HAFTKLEBMASSE

Title (fr)
MATIÈRE AUTOADHÉSIVE RÉTICULABLE

Publication
EP 3583182 A1 20191225 (DE)

Application
EP 18706715 A 20180220

Priority
• DE 102017202668 A 20170220
• EP 2018054095 W 20180220

Abstract (en)
[origin: WO2018150040A1] The invention relates to an adhesive compound which contains: a) at least one cross-linkable polymer which is at least built from (i) at least two monomers A and B, for example three monomers A, B and C, which are, independently of one another, an olefinically unsaturated aliphatic or cycloaliphatic hydrocarbon, and (ii) at least one comonomer D which is an olefinically unsaturated monomer having at least one carboxylic acid group and/or carboxylic anhydride group; b) at least one organosilane of formula (1), $R_1-Si(OR_2)_nR_3$ (1), in which R_1 is a group that can form a chemical bond with a carboxylic acid group or a carboxylic anhydride group, the groups R_2 are, independently of one another, a hydrogen group, alkyl group, cycloalkyl group, aryl group or acyl group, and R_3 is a hydrogen group, alkyl group, cycloalkyl group or aryl group, n stands for 2 or 3, and m stands for the number produced from $3 - n$; and c) at least one adhesive resin. The invention also relates to a cross-linked adhesive compound which can be obtained by thermally cross-linking said adhesive compound, the use of the adhesive compound to produce an adhesive tape, and an adhesive tape comprising at least one layer of said cross-linked adhesive compound.

IPC 8 full level
C09J 151/06 (2006.01)

CPC (source: EP KR US)
B29B 7/007 (2013.01 - EP KR); **B29B 7/485** (2013.01 - KR); **B29B 7/603** (2013.01 - EP KR); **C08K 5/54** (2013.01 - KR); **C08K 5/5435** (2013.01 - KR); **C08K 5/544** (2013.01 - KR); **C08L 23/16** (2013.01 - KR); **C09J 7/381** (2017.12 - KR US); **C09J 151/06** (2013.01 - EP KR US); **B29B 7/485** (2013.01 - EP); **C08L 2312/08** (2013.01 - KR); **C09J 2301/312** (2020.08 - KR); **C09J 2301/414** (2020.08 - KR US); **C09J 2451/00** (2013.01 - KR US)

Citation (search report)
See references of WO 2018150040A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102017202668 A1 20180823; CN 110520496 A 20191129; CN 110520496 B 20220222; EP 3583182 A1 20191225; KR 102264623 B1 20210611; KR 20190112163 A 20191002; US 2020040234 A1 20200206; WO 2018150040 A1 20180823

DOCDB simple family (application)
DE 102017202668 A 20170220; CN 201880024279 A 20180220; EP 18706715 A 20180220; EP 2018054095 W 20180220; KR 20197027152 A 20180220; US 201816486955 A 20180220