

Title (en)  
IONIC SILYLATED COPOLYURETHANE AND MASTIC COMPOSITION COMPRISING SAME

Title (de)  
IONISCHES SILYLIERTES COPOLYURETHAN UND KITZUSAMMENSETZUNG DAMIT

Title (fr)  
COPOLYURETHANE SILYLE IONIQUE ET COMPOSITION DE MASTIC LE COMPRENANT

Publication  
**EP 4048713 A1 20220831 (FR)**

Application  
**EP 20807469 A 20201021**

Priority  
• FR 1911896 A 20191024  
• FR 2020051902 W 20201021

Abstract (en)  
[origin: WO2021079063A1] 1) Ionic silylated copolyurethane with a formula: (I) in which R1 is a hydrocarbon radical; R2 is a C2-C4 alkylene; n is an integer such that the molecular mass of -[OR2 n is 2500-20,000 g/mol; R° is H or C1-C18 alkyl; R, R' and R'', are a hydrocarbon radical; x and y are integers from 1 to 8; z is an integer from 0 to 8; m and q are an integer greater than or equal to 1, such that q/m varies from 0.04 to 20; F1 is a radical with the formula (IIa) and F2 is a radical with the formula (IIb): (IIa) (IIb) in which R3 is methylene or n-propylene; R4 and R5 are a methyl or ethyl; p equals 0 or 1; R6 is a C1-C4 alkyl. 2) Method for preparing copolyurethane 1) comprising: (i) a polyaddition between a polyisocyanate, a polyether diol and a carboxylic diol; (ii) a neutralization of the product formed with the amine N(R)(R')(R''); then (iii) a reaction with an aminosilane derived from a secondary amine. 3) Composition, usable as mastic and/or adhesive, comprising copolyurethane 1) and a filler.

IPC 8 full level  
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