

Title (en)

COMPOSITIONS CONTAINING POLYORGANOSILOXANES HAVING POLYPHENYLENE ETHER GROUPS

Title (de)

ZUSAMMENSETZUNGEN ENTHALTEND POLYORGANOSILOXANE MIT POLYPHENYLENETHERRESTEN

Title (fr)

COMPOSITIONS CONTENANT DES POLYORGANOSILOXANES AYANT DES GROUPES ÉTHER DE POLYPHÉNYLÈNE

Publication

EP 4352130 A1 20240417 (DE)

Application

EP 21732824 A 20210607

Priority

EP 2021065191 W 20210607

Abstract (en)

[origin: WO2022258140A1] The invention relates to a method for producing compositions, in which method a) compounds selected from hydroxy-terminated homopolymer or copolymer polyphenylene ethers and phenols are reacted with b) chlorosilane of formula (I) alone or in a mixture with disiloxane of formula (IV) $R_1 a R_2 b SiCl_4 -a-b$ (I), $[R_1 (3-b)R_2 b Si]_2 O$ (IV) in the presence of water and solvent, wherein R_1 , R_2 , a and b have the meanings stated in claim 1; to the compositions which can be produced according to the method; and to the application of the compositions for use as binders for producing moulded bodies having constant dielectric properties.

IPC 8 full level

C08G 65/48 (2006.01); **C08G 77/46** (2006.01)

CPC (source: EP KR)

C08G 65/485 (2013.01 - EP KR); **C08G 77/46** (2013.01 - EP KR)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022258140 A1 20221215; CN 117794982 A 20240329; EP 4352130 A1 20240417; JP 2024520759 A 20240524; KR 20240017938 A 20240208

DOCDB simple family (application)

EP 2021065191 W 20210607; CN 202180101394 A 20210607; EP 21732824 A 20210607; JP 2023575413 A 20210607; KR 20247000492 A 20210607