

Title (en)

PARTICLE-MATRIX COMPOSITION COATED WITH MIXTURE COMPRISING POLYSULFIDE POLYMER

Title (de)

MIT POLYSULFIDPOLYMERHALTIGER MISCHUNG BESCHICHTETE PARTIKELMATRIXZUSAMMENSETZUNG

Title (fr)

COMPOSITION MATRICIELLE DE PARTICULES ENDUITE AVEC UN MÉLANGE COMPRENANT UN POLYMÈRE POLYSULFURE

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Application

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Abstract (en)

[origin: WO2008040508A1] The invention pertains to a composition comprising a particle and a matrix, wherein the particle is at least partially coated with a compound or a mixture of compounds comprising at least one of a) a polysulfide polymer and a curing system; and b) a cured polysulfide polymer obtained from a polysulfide polymer having at least two epoxy end groups. Most preferred polysulfide polymers are: formula (I), (II), (III) and formula (IV) wherein n is independently 1-200 and R' is formula (V) wherein m is 0 to 10, R₃ is independently H or CH₃, and the end indicated with the double asterisk is bonded to the epoxide group. The invention further relates to particle-elastomers comprising said composition, and skim products, tires, tire treads, and belts comprising these particle-elastomers.

IPC 8 full level

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Citation (search report)

See references of WO 2008040508A1

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