

Title (en)
FUNCTIONALISED POLSULPHIDE SYNTHESIS METHOD

Title (de)
SYNTHESEVERFAHREN FÜR FUNKTIONALISIERTES POLYSULPHID

Title (fr)
PROCÉDÉ DE SYNTHÈSE DE POLYSULFURES FONCTIONNALISÉS

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Application
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Priority

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Abstract (en)
[origin: WO2018122511A1] The invention relates to the field of organic polysulphides, more particularly to a method for synthesising functionalised organic polysulphides of formula (I): $R_2-X-(NR_1R_7)C^*H-(CH_2)_n-Sa-(CH_2)_n-C^*H(NR_1R_7)-X-R_2$, in which the various substituents are as defined in the description, by reacting at least one compound of formula (II): $G-(CH_2)_n-C^*H(NR_1R_7)-X-R_2$, in which the various substituents are as defined in the description, with at least one inorganic polysulphide in the presence of at least one enzyme selected from the sulfhydrylases. The invention also relates to the functionalised organic polysulphides of formula (I) obtained by the method of the invention, and to their uses for lubrication, vulcanisation, catalyst sulphidisation and medicinal drug preparation.

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