

Title (en)

FUNCTIONALISED π (P)-CONJUGATED POLYMERS, BASED ON 3,4-ALKYLENEDIOXYTHIOPHENE

Title (de)

FUNKTIONALISIERTE π -KONJUGIERTE POLYMERE AUF 3,4-ALKYLENEDIOXYTHIOPHEN-BASIS

Title (fr)

POLYMERES FONCTIONNALISES CONJUGUES π (P) A BASE DE 3,4-ALKYLENEDIOXYTHIOPHENE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0190212A1] The invention relates to polythiophenes of the formula (II), wherein Y = formula (III), formula (IV) or formula (V); Z = alkyl, aryl or alkylaryl; u = 0 or 1; m = 0 to 5; n = 2 to 500; X = (CH₂)_{p+q} or (CH₂)_p-O-(CH₂)_q; p, q = independently of one another 0 to 10 and R and R' independently of one another are identical to or different from H, represent a linear or branched C1 to C18 alkyl or alkoxy group or a linear or branched C1 to C18 alkyl or alkoxy sulfonate group. Said polythiophenes can be modified using the active ester function and have excellent electrical and optical properties.

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C08G 61/12

IPC 8 full level

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