

Title (en)

MODIFIED HYPERBRANCHED POLYESTER POLYMERS, PROCESSES FOR PREPARING THEM AND USES OF THEM

Title (de)

MODIFIZIERTE HYPERVERZWEIGTE POLYESTERPOLYOLE, IHRE DARSTELLUNG UND VERWENDUNG

Title (fr)

POLYMERES DE POLYESTER HYPER-RAMIFIES ET MODIFIES, PROCEDE DE PREPARATION DE CES POLYMERES ET UTILISATION DE CES DERNIERS

Publication

**EP 1144479 A3 20011205 (EN)**

Application

**EP 00945710 A 20000606**

Priority

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Abstract (en)

[origin: WO0077070A2] The hyperbranched polymers (polyester polyol) can be modified and that modified hyperbranched polymers have improved characteristics. The high functionality of hyperbranched polymers allows for chemical and/or physical modifications to achieve certain mechanical, chemical or physical properties. Such modified hyperbranched polyester polyols can be tailored through consecutive or mixed end-capping to obtain either very specific or mixed properties. It is possible to use these modified hyperbranched polyester polyols in new industrial applications, such as inks.

[origin: WO0077070A2] Hyperbranched polyester polyols are modified by esterification with a carboxylic acid and the introduction of acrylate or methacrylate groups. By this consecutive or mixed end-capping the modified hyperbranched polyester polyols can be tailored to obtain either very specific or mixed properties. It is possible to use these modified hyperbranched polyester polyols in new industrial applications, such as inks.

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IPC 8 full level

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CPC (source: EP)

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