

Title (en)

AN ISOCYANATE TERMINATED POLYMER AND USE OF THE SAME IN A RADIATION CURABLE POLYURETHANE DISPERSION

Title (de)

ISOCYANAT-TERMINIERTES POLYMER UND SEINE VERWENDUNG IN EINER STRAHLUNGSHÄRTBAREN POLYURETHANDISPERSION

Title (fr)

POLYMÈRE TERMINÉ PAR ISOCYANATE ET SON UTILISATION DANS UNE DISPERSION DE POLYURÉTHANE DURCISSABLE PAR RAYONNEMENT

Publication

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Application

**EP 08753933 A 20080430**

Priority

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- SE 0701095 A 20070504

Abstract (en)

[origin: WO2008136732A1] The present invention refers to an isocyanate terminated polymer obtainable by subjecting 10- 90% by weight of at least one diol optionally in combination with at least one polyol, said diol and said optional polyol, having a molecular weight of at most 5000 g/mol, 1-40% by weight of at least one hydrophilic compound, 20-60% by weight of at least one isocyanate and 0.1- 30% by weight of at least one polyol monoacrylate, monomethacrylate and/or monocrotonate to co-polymerisation optionally in the presence of a catalyst, a solvent and/or a polymerisation inhibitor. In a further aspect, a UV curing polyurethane dispersion comprising said polymer is disclosed.

IPC 8 full level

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CPC (source: EP SE)

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C-Set (source: EP)

1. **C08G 18/12 + C08G 18/3228**
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