

Title (en)

WATER-DISPERSIBLE POLYISOCYANATE COMPOSITION, METHOD FOR PRODUCING COMPOSITION, WATER-BASED CURABLE COMPOSITION, WATER-BASED PAINT, AND ARTICLE

Title (de)

WASSERDISPERGIERBARE POLYISOCYANATZUSAMMENSETZUNG, VERFAHREN ZUR HERSTELLUNG DER ZUSAMMENSETZUNG, HÄRTBARE ZUSAMMENSETZUNG AUF WASSERBASIS, FARBE AUF WASSERBASIS UND ARTIKEL

Title (fr)

COMPOSITION DE POLYISOCYANATE HYDRODISPERSABLE, PROCÉDÉ DE PRODUCTION ASSOCIÉ, COMPOSITION DURCISSABLE À BASE D'EAU, PEINTURE À BASE D'EAU ET ARTICLE

Publication

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Application

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Priority

CN 2021074798 W 20210202

Abstract (en)

[origin: WO2022165622A1] A water-dispersible polyisocyanate composition contains a hydrophobic polyisocyanate (A) and an acrylic polymer (B) containing an alkoxy group end-capped polyoxyalkylene group and an isocyanate group. The acrylic polymer (B) is a reaction product of an acrylic polymer (b) and a hydrophobic polyisocyanate. The acrylic polymer (b) contains a polymer (b1) and a polymer (b2). The polymer (b1) is derived from a monomer raw material containing 11 mol% or more and 35 mol% or less of an acrylic monomer (x) having an alkoxy group end-capped polyoxyalkylene group. The polymer (b2) is derived from a monomer raw material containing 2 mol% or more and less than 11 mol% of the acrylic monomer (x). The water-dispersible polyisocyanate composition provides a long pot life in the form of a two-component paint and excellent appearance of a coating film to be formed and thus can be suitably used for various paint applications.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2022165622A1

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