

Title (en)

REACTIVE POLYURETHANE-HOT MELT ADHESIVE HAVING A LOW ISOCYANATE-MONOMER CONTENT

Title (de)

REAKTIVE POLYURETHAN-HEISSSCHMELZKLEBSTOFFE MIT NIEDRIGEM ISOCYANAT-MONOMERGEHALT

Title (fr)

ADHESIFS THERMOFUSIBLES A BASE DE POLYURETHANE REACTIF PRESENTANT UNE FAIBLE TENEUR EN MONOMERE D'ISOCYANATE

Publication

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Application

EP 06806899 A 20060929

Priority

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- EP 05109112 A 20050930
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Abstract (en)

[origin: EP1770107A1] A composition contains (A) a polyurethane produced from a polyisocyanate and a polyol; and (B) an aldimine group-containing compound. A composition contains (A) a polyurethane produced from a polyisocyanate and a polyol; and (B) an aldimine group-containing compound of formula (I). m : integer 1-4; p : integer 1-6; q : integer 0-5 with the proviso that p + q= 2-6; R 1>6-30C hydrocarbyl optionally with a heteroatom, especially an oxygen ether, or is a group of formula (II); R 6>2-20C hydrocarbylene optionally with a heteroatom, especially an oxygen ether; R 7>1-20C hydrocarbyl; R 2> and R 3>1-12C hydrocarbyl or together form a 4-20C hydrocarbylene which is part of an optionally substituted 5-8 (especially 6)C carbocyclic ring; R 4>an (m + 1)-valent 2-12C hydrocarbon group optionally with a heteroatom, especially an oxygen ether, or a tert. amine nitrogen; R 5>a (p + q)-valent organic optionally heteroatom-containing group such as obtained by removal of (p + q) NCO groups from R 5>[NCO] p+q or is N, NR 14>, O, OC(O)O, Si, P(O)O 3 or SO 2; R 14>1-20C hydrocarbyl; X : O, S or NR 8>; and R 8>1-20C hydrocarbyl optionally with at least one carboxylic acid ester, nitrile, nitro, phosphonic acid ester, sulfo or sulfonic acid ester group or is a group of formula (III). [Image] [Image] [Image].

IPC 8 full level

C08G 18/32 (2006.01); **C08G 18/28** (2006.01); **C09J 175/04** (2006.01)

CPC (source: EP KR US)

C08G 18/0885 (2013.01 - EP US); **C08G 18/089** (2013.01 - EP US); **C08G 18/10** (2013.01 - EP US); **C08G 18/12** (2013.01 - EP US); **C08L 75/04** (2013.01 - KR); **C09D 175/12** (2013.01 - EP US); **C09J 175/04** (2013.01 - KR); **C09J 175/12** (2013.01 - EP US); **C09K 3/1021** (2013.01 - EP US)

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