METHOD FOR PRODUCING REMOVABLE PRESSURE-SENSITIVE ADHESIVES (PSA´s) USING BIOBASED STARTING MATERIALS

The present invention refers to the technical field of polymeric compositions, especially polymeric compositions, compositions to be used in or as adhesives, particularly pressure-sensitive adhesives.

TYPE OF DEVELOPMENT

Polymeric compositions

DESCRIPTION

The present invention relates to a method for producing a preferably water-based dispersion, particularly to be used as or in an adhesive, especially a pressure-sensitive adhesive (=PSA), particularly a pressure-sensitive adhesive removable under neutral or basic (alkaline) conditions, as well as to the polymeric composition thus produced and to its various uses, usages and applications

INDICATION

- Glass recycling industry
- Plastic recycling industry
- Label and packaging materials
- Electronics

NOVELTY/ADVANTAGE

Adhesives used to attach or adhere labels etc. to surfaces should be removable, especially using an economic and environmental-friendly method.
No reports about the synthesis of waterbone PSAs with remarkable properties and high bio-content using bio-based ASRs as stabilizers containing isosorbide methacrylate monomers have been found.

The present invention allows the one-post synthesis of high performance waterbone PSAs with bio contents ranging from 0% to 71% stabilized with ASR-type electrostatic stabilizers promoting excellent removable properties.

Reference: ISOMA

EHU
Euskal Herriko Unibertsitatea
Universidad del País Vasco

Research group:

Polymerization Engineering and Simulation

Main researcher:

Jose Ramón Leiza Recondo

Contact:

Knowledge/Technology Transfer Office, iproperty.otri@ehu.eus

IPR STATUS

Patent filing:

EP20760463 (Granted)

Priority date:
10/06/2020

Applicant: University of the Basque Country / Polymat

COOPERATION GOAL

License agreement.