Method for producing removable pressure-sensitive adhesive (PSA) and pressure-sensitive adhesive thus produced

Waterborne Pressure Sensitive Adhesive, removable PSA, biobased PSA, assemble, hold, recycle, consumer products, health, chemical engineering, transport and logistics

TYPE OF DEVELOPMENT

- Waterbone Pressure Sensitive Adhesive

DESCRIPTION

The present invention relates to a method for producing a polymeric composition, preferably a dispersion (i.e. emulsion or latex), 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 (i.e. in contact with water [i.e. water in liquid state] 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

TYPE OF DEVELOPMENT

Adhesives used to attach or adhere labels etc. to surfaces should be removable, especially using an economic and environmental-friendly method.

In the art of state, there do not exist high-performance polymeric compositions which are appropriate for use as or in pressure-sensitive adhesives and which are degradable or removable under pre-defined, especially moderate or mild conditions, especially under neutral or basic (alkaline) conditions (i.e. in contact with water under neutral or basic/alkaline conditions), and which provide, at the same time, good or even improved performance properties, particularly adhesivity and adhesiveness as well as cohesiveness.

Reference: (PRESSURE PSA)

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IPR STATUS

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Applicant: University of the Basque Country (EHU)/ Polymat

STAGE DEVELOPMENT

TRL-4

COOPERATION GOAL

Company interested in the license agreement.