

Title (en)

Polymer dispersions in polyols containing unsaturation.

Title (de)

Polymerdispersionen in ungesättigte Bindungen enthaltenden Polyolen.

Title (fr)

Dispersions de polymères dans des polyols contenant des insaturations.

Publication

**EP 0000503 A1 19790207 (EN)**

Application

**EP 78100371 A 19780712**

Priority

US 81512577 A 19770713

Abstract (en)

This invention is directed to stable dispersions of copolymers in polyols containing added unsaturation. The polymer dispersions are prepared by reacting a polyol containing added ethylenic unsaturation and an ethylenically unsaturated monomer or mixtures thereof in the presence of a free radical catalyst characterized in that the dispersion is prepared by the Williamson synthesis or a phase transfer catalyst modification thereof employing in situ polymerization of the ethylenically unsaturated monomer or mixtures thereof in the polymer containing added ethylenic unsaturation. The unsaturated polyols prepared by these methods may be used alone or they may be blended with polyols not containing added unsaturation. The dispersions are relatively low viscosity liquids which are useful in the preparation of polyurethanes such as, for example foams and elastomers.

IPC 1-7

**C08F 291/08**; **C08F 283/06**; **C08G 18/63**; **C08G 65/32**

IPC 8 full level

**C08F 2/22** (2006.01); **C08F 290/00** (2006.01); **C08F 290/14** (2006.01); **C08F 291/08** (2006.01); **C08F 2/00** (2006.01); **C08F 299/00** (2006.01); **C08G 65/26** (2006.01); **C08G 65/337** (2006.01)

CPC (source: EP)

**C08F 290/14** (2013.01); **C08F 291/08** (2013.01); **C08G 65/26** (2013.01); **C08G 65/337** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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**EP 0000503 A1 19790207**; AR 219761 A1 19800915; AU 3794778 A 19800117; BR 7804510 A 19790403; CA 1094531 A 19810127; IT 1156857 B 19870204; IT 7850257 A0 19780712; JP S5440887 A 19790331

DOCDB simple family (application)

**EP 78100371 A 19780712**; AR 27294378 A 19780713; AU 3794778 A 19780712; BR 7804510 A 19780712; CA 307256 A 19780712; IT 5025778 A 19780712; JP 8565478 A 19780713