

Title (en)
POLYURETHANES OF IMPROVED CHARACTERISTICS.

Title (de)
POLYURETHANE MIT VERBESSERTEN CHARAKTERISTIKEN.

Title (fr)
POLYURETHANES AUX CARACTERISTIQUES AMELIOREES.

Publication
EP 0353298 A4 19900627 (EN)

Application
EP 89902871 A 19890203

Priority
US 15276888 A 19880205

Abstract (en)
[origin: WO8907116A1] A urea-modified polyurethane having excellent characteristics is prepared by the reaction between a polyisocyanate and a polyol in the presence of a diamine having formula (I), in which R<1> and R<2> are independently straight-chain C2-C6 alkyl, and m and n are independently either 1 or 2. The preferred polyol is castor oil, and in preferred methods the reaction is carried out by first forming a prepolymer of the polyisocyanate with the polyol, and then curing this with a solution of the diamine in a further amount of the polyol.

IPC 1-7
C08G 18/08

IPC 8 full level
C08G 18/32 (2006.01); **C08G 18/36** (2006.01); **C08G 18/80** (2006.01)

CPC (source: EP)
C08G 18/3243 (2013.01); **C08G 18/36** (2013.01); **C08G 18/8051** (2013.01)

Citation (search report)
• [X] US 4324867 A 19820413 - PATTON JR JOHN T, et al
• [X] EUROPEAN POLYMER JOURNAL, vol. 22, no. 8, 1986, pages 633-635, Exeter, Devon, GB; P. KNAUB et al.: "Castor oil as a way to fast-cured polyurethane ureas"
• See references of WO 8907116A1

Designated contracting state (EPC)
BE DE FR GB NL

DOCDB simple family (publication)
WO 8907116 A1 19890810; EP 0353298 A1 19900207; EP 0353298 A4 19900627

DOCDB simple family (application)
US 8900437 W 19890203; EP 89902871 A 19890203