

Title (en)

LATICES FROM EMULSIFIED HYDROCARBON RUBBER SOLUTIONS BY MEMBRANE SEPARATION

Title (de)

HERSTELLUNG VON LATICES AUS EMULGIERTEN KOHLENWASSERSTOFF- KAUTSCHUKLÖSUNGEN DURCH MEMBRANTRENNUNG

Title (fr)

LATEX OBTENUS PAR SEPARATION MEMBRANAIRE DE SOLUTIONS D'ELASTOMERES HYDROCARBONES EMULSIONNES

Publication

EP 1242511 A1 20020925 (EN)

Application

EP 99965247 A 19991214

Priority

US 9929578 W 19991214

Abstract (en)

[origin: WO0144350A1] Rubbery polymers in hydrocarbon solutions are emulsified in aqueous liquids and converted to latices by partitioning the emulsion through a membrane of selective permeability to the hydrocarbon solvent relative to both water and the polymer, thereby removing the hydrocarbon solvent from the emulsion. The foaming that is often associated with the removing hydrocarbon solvent from aqueous emulsions by conventional means is thus avoided. Membrane partitioning mechanisms that are useful for this application include those involving both nonporous and microporous membranes, those passing the solvent both as a liquid and as a gas, those drawing off the permeate as both a liquid and a gas, and various combinations of these methods.

IPC 1-7

C08J 3/07; **C08L 21/00**

IPC 8 full level

B01D 61/36 (2006.01); **B01D 61/38** (2006.01); **B01D 71/32** (2006.01); **B01D 71/36** (2006.01); **B01D 71/64** (2006.01); **B01D 71/70** (2006.01); **C08C 2/00** (2006.01); **C08J 3/07** (2006.01); **C08L 21/00** (2006.01)

CPC (source: EP US)

B01D 61/246 (2013.01 - EP US); **B01D 61/3621** (2022.08 - EP US); **B01D 61/364** (2013.01 - EP US); **B01D 61/38** (2013.01 - EP); **C08J 3/07** (2013.01 - EP); **C08J 2321/00** (2013.01 - EP)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0144350 A1 20010621; AU 3120400 A 20010625; EP 1242511 A1 20020925; JP 2003517073 A 20030520

DOCDB simple family (application)

US 9929578 W 19991214; AU 3120400 A 19991214; EP 99965247 A 19991214; JP 2001544833 A 19991214