

Title (en)

METHOD FOR SEPARATING AT LEAST ONE SELECTED POLYMER FROM A MIXTURE OF POLYMERS

Title (de)

VERFAHREN ZUM ABTRENNEN MINDESTENS EINES AUSGEWÄHLTEN POLYMERS AUS EINEM POLYMERGEMISCH

Title (fr)

PROCEDE DE SEPARATION D'AU MOINS UN POLYMER SELECTIONNE A PARTIR D'UN MELANGE DE POLYMERES

Publication

EP 1353984 A1 20031022 (DE)

Application

EP 01995593 A 20011214

Priority

- DE 0104705 W 20011214
- DE 10062432 A 20001215

Abstract (en)

[origin: WO0248245A1] The invention relates to a method for separating at least one selected polymer from a mixture of polymers, comprising the following steps: (a) dissolving the mixture of polymers in a first solvent, with the concentration of the polymer mixture in the solution being adjusted to 1 to 50 wt. %; (b) cooling the solution to a temperature T₁, at which the selected polymer or the selected polymers at least partially precipitate(s) out in the form of a solid; (c) separating said solid from the solution; (d) washing the separated solid in a second solvent at a temperature T₂ which is higher than the temperature T₁; and (e) separating the washed solid from the second solvent. According to a variant, the suspension that is produced in step (b) is subjected to further addition of solvent and treatment.

IPC 1-7

C08J 11/08

IPC 8 full level

B01D 9/02 (2006.01); **C08J 11/08** (2006.01)

CPC (source: EP US)

B29B 17/02 (2013.01 - EP); **C08J 11/08** (2013.01 - EP US); **B29B 2017/0203** (2013.01 - EP); **B29B 2017/0293** (2013.01 - EP); **B29K 2023/0625** (2013.01 - EP); **B29K 2023/0633** (2013.01 - EP); **B29K 2023/0641** (2013.01 - EP); **B29K 2023/065** (2013.01 - EP); **B29K 2023/12** (2013.01 - EP); **Y02W 30/62** (2015.05 - EP US)

Citation (search report)

See references of WO 0248245A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0248245 A1 20020620; AU 2629102 A 20020624; BR 0116165 A 20040113; CN 1481412 A 20040310; DE 10062432 A1 20020620; EP 1353984 A1 20031022; JP 2004525998 A 20040826; US 2004116563 A1 20040617

DOCDB simple family (application)

DE 0104705 W 20011214; AU 2629102 A 20011214; BR 0116165 A 20011214; CN 01820631 A 20011214; DE 10062432 A 20001215; EP 01995593 A 20011214; JP 2002549771 A 20011214; US 45041904 A 20040109