

Title (en)

PROCESS FOR SEPARATING POLYMER MATERIALS FROM AN ASSEMBLY OF ELEMENTS

Title (de)

VERFAHREN ZUR TRENNUNG VON POLYMERMATERIALIEN VON EINER ANORDNUNG VON ELEMENTEN

Title (fr)

PROCÉDÉ DE SÉPARATION DE MATÉRIAUX POLYMÈRES D'UN ASSEMBLAGE D'ÉLÉMENTS

Publication

EP 4114633 A1 20230111 (FR)

Application

EP 21714930 A 20210302

Priority

- FR 2002092 A 20200302
- FR 2021050350 W 20210302

Abstract (en)

[origin: WO2021176174A1] A process for separating polymer materials, comprising the following steps: a) a support (18) at least partially coated with a thermoplastic polymer (20) is provided, said thermoplastic polymer having a given glass transition temperature T_g ; b) the temperature of said thermoplastic polymer (20) is reduced to a temperature T_{inf} lower than said glass transition temperature T_g of said thermoplastic polymer; c) said thermoplastic polymer (20) is mechanically treated at said temperature T_{inf} in order to detach said thermoplastic polymer from said support; and d) said detached thermoplastic polymer (20) is recovered.

IPC 8 full level

B29B 17/02 (2006.01); **B29B 17/04** (2006.01); **B29K 27/00** (2006.01); **B29K 27/18** (2006.01); **B29K 67/00** (2006.01); **B29L 31/14** (2006.01)

CPC (source: EP)

B29B 17/02 (2013.01); **B29B 17/04** (2013.01); **B29B 2017/0203** (2013.01); **B29B 2017/0217** (2013.01); **B29B 2017/0255** (2013.01); **B29B 2017/0416** (2013.01); **B29B 2017/0428** (2013.01); **B29K 2027/16** (2013.01); **B29K 2027/18** (2013.01); **B29K 2067/003** (2013.01); **B29L 2031/14** (2013.01); **Y02W 30/62** (2015.05)

Citation (search report)

See references of WO 2021176174A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3107658 A1 20210903; **FR 3107658 B1 20230310**; EP 4114633 A1 20230111; WO 2021176174 A1 20210910

DOCDB simple family (application)

FR 2002092 A 20200302; EP 21714930 A 20210302; FR 2021050350 W 20210302