

Title (en)

Machine cleaning of plastic parts

Title (de)

Maschinelle Reinigung von Kunststoffteilen

Title (fr)

Nettoyage en machine des pièces en matière plastique

Publication

EP 2677022 B1 20151021 (DE)

Application

EP 12172503 A 20120619

Priority

EP 12172503 A 20120619

Abstract (en)

[origin: EP2677022A1] Use of a surfactant free rinsing agent comprising at least one polymer, cationic dissociable groups or a combination of cationic and anionic dissociable groups, for avoiding or reducing stress cracking in plastic parts, during its cleaning, is claimed. An independent claim is also included for mechanical cleaning of plastic parts, comprising (a) cleaning the plastic parts, and (b) rinsing the plastic parts surfactant free rinsing agent to prevent or reduce stress cracking of the plastic parts.

IPC 8 full level

C11D 3/37 (2006.01)

CPC (source: EP)

C11D 3/3773 (2013.01); **C11D 3/3796** (2013.01); **C11D 2111/18** (2024.01)

Cited by

EP2886635A1; US11512266B2

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

DOCDB simple family (publication)

EP 2677022 A1 20131225; EP 2677022 B1 20151021; ES 2556982 T3 20160121; HU E026648 T2 20160728; PL 2677022 T3 20160429; PT 2677022 E 20160122; SI 2677022 T1 20160229

DOCDB simple family (application)

EP 12172503 A 20120619; ES 12172503 T 20120619; HU E12172503 A 20120619; PL 12172503 T 20120619; PT 12172503 T 20120619; SI 201230434 T 20120619