

Title (en)
DETERGENT AND CLEANING AGENT WITH POLYMER ACTIVE AGENT

Title (de)
WASCH- UND REINIGUNGSMITTEL MIT POLYMEREM WIRKSTOFF

Title (fr)
DÉTERGENTS ET PRODUITS DE NETTOYAGE À PRINCIPE ACTIF POLYMÈRE

Publication
EP 3710504 A1 20200923 (DE)

Application
EP 18796644 A 20181102

Priority
• DE 102017010656 A 20171117
• EP 2018079971 W 20181102

Abstract (en)
[origin: WO2019096590A1] The primary detergent power of detergent and cleaning agents is to be improved in particular with respect to soiling containing oil and/or grease. This is achieved substantially by incorporating copolymers which can be obtained by the copolymerization of compounds of the general formula (I), in which R1 represents -CR2=CR3R4 or -CH2-O-CH2-CR2=CR3R4 and R2, R3 and R4 independently of one another represent H or an alkyl group with 1 to 3 C atoms, α,β -monoethylenically unsaturated carboxylic acids, carboxylic acid esters, carboxylic acid anhydrides, carboxylic acid amides, carboxylic acids imides, nitriles, and the mixtures thereof.

IPC 8 full level
C08F 222/06 (2006.01); **C08F 224/00** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)
C08F 222/06 (2013.01); **C08F 222/402** (2020.02); **C08F 224/00** (2013.01); **C11D 3/3765** (2013.01); **C11D 3/3776** (2013.01); **C11D 2111/12** (2024.01); **C11D 2111/14** (2024.01)

C-Set (source: EP)
1. **C08F 222/06 + C08F 224/00**
2. **C08F 224/00 + C08F 222/402**
3. **C08F 222/402 + C08F 224/00**

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

DOCDB simple family (publication)
WO 2019096590 A1 20190523; DE 102017010656 A1 20190523; EP 3710504 A1 20200923

DOCDB simple family (application)
EP 2018079971 W 20181102; DE 102017010656 A 20171117; EP 18796644 A 20181102