

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

Title (de)
WASCH- UND REINIGUNGSMITTEL MIT POLYMEREM WIRKSTOFF

Title (fr)
DÉTÉRGENTS 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)

Citation (search report)
See references of WO 2019096590A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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

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