

Title (en)
ANTI-MITE UNIT DOSE ARTICLE

Title (de)
ANTIMILBENEINHEITSDOSISARTIKEL

Title (fr)
ARTICLE DE DOSE UNITAIRE ANTI-MITE

Publication
EP 3741836 A1 20201125 (EN)

Application
EP 19176337 A 20190524

Priority
EP 19176337 A 20190524

Abstract (en)
An anti-mite unit dose article is provided, which comprises a water-soluble polymeric film formed into a pouch with an internal compartment that encloses a liquid laundry detergent composition therein, while the liquid laundry detergent composition is characterized by a high shear viscosity ranging from 100 to 900 mPa·s measured at a shear rate of 1000 s⁻¹ and at a temperature of 20°C, and while the liquid laundry detergent composition comprises from 20% to 70% of one or more non-soap surfactants and from 1% to 20% of benzyl benzoate by total weight of said liquid laundry detergent composition. The presence of benzyl benzoate in the unit dose article at such an amount not only provides an anti-mite benefit, but also reduces liquid stringing that may lead to film sealing failure during the manufacturing process of such unit dose article while not negatively impacting film plasticization properties.

IPC 8 full level
C11D 17/04 (2006.01); **C11D 3/20** (2006.01)

CPC (source: CN EP)
C11D 1/83 (2013.01 - CN); **C11D 3/2093** (2013.01 - CN EP); **C11D 3/48** (2013.01 - CN); **C11D 10/04** (2013.01 - CN); **C11D 10/042** (2013.01 - CN); **C11D 10/045** (2013.01 - CN); **C11D 17/043** (2013.01 - CN EP); **C11D 1/22** (2013.01 - CN); **C11D 1/29** (2013.01 - CN); **C11D 1/72** (2013.01 - CN); **C11D 2111/12** (2024.01 - CN)

Citation (search report)
• [Y] US 2015252304 A1 20150910 - SOUTER PHILIP FRANK [GB], et al
• [Y] GB 2340843 A 20000301 - RECKITT & COLMAN INC [US]

Cited by
US11608479B2; WO2022017728A1

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)
EP 3741836 A1 20201125; **EP 3741836 B1 20240306**; CN 111979068 A 20201124; CN 111979068 B 20220531; JP 2020193329 A 20201203; JP 7521929 B2 20240724

DOCDB simple family (application)
EP 19176337 A 20190524; CN 202010435281 A 20200521; JP 2020086499 A 20200518