

Title (en)
LAUNDRY PRETREATMENT COMPOSITION

Title (de)
WÄSCHEVORBEHANDLUNGSZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE PRÉTRAITEMENT DE BLANCHISSERIE

Publication
EP 3310889 B1 20190807 (EN)

Application
EP 16725870 A 20160531

Priority
• EP 15001814 A 20150619
• EP 2016062225 W 20160531

Abstract (en)
[origin: WO2016202572A1] Disclosed is an aqueous laundry pre-treatment composition comprising: (i) 0.5 wt% to 15 wt% of a surfactant which is a non-ionic surfactant or an ethoxylated anionic surfactant or a mixture thereof; (ii) 0.5 wt% to 8 wt% of at least one non-neutralised fatty acid having pKa greater than 5 at 20 °C; (iii) 0.5 wt% to 5 wt% of at least one organic acid having pKa of 2 to 5 at 20 °C, and (iv) 0.5 wt% to 10 wt% of a water-insoluble fatty acid ester. The compositions provides significant enhancement in stain removal index, especially against oily/sebaceous stains deposited on cotton or polycotton fabrics.

IPC 8 full level
C11D 1/37 (2006.01); **C11D 1/83** (2006.01); **C11D 3/20** (2006.01)

CPC (source: CN EP)
C11D 1/37 (2013.01 - EP); **C11D 1/83** (2013.01 - CN EP); **C11D 3/2075** (2013.01 - CN EP); **C11D 3/2082** (2013.01 - CN); **C11D 3/2086** (2013.01 - CN); **C11D 3/2093** (2013.01 - CN); **C11D 1/008** (2013.01 - CN); **C11D 1/146** (2013.01 - CN); **C11D 1/667** (2013.01 - CN); **C11D 1/72** (2013.01 - CN); **C11D 3/2082** (2013.01 - EP); **C11D 3/2086** (2013.01 - EP); **C11D 3/2093** (2013.01 - EP)

Citation (opposition)
Opponent : Henkel AG & Co. KGaA
• US 6451064 B1 20020917 - DEL DUCA VALERIO [IT], et al
• US 6407051 B1 20020618 - SMITH KIM [US], et al
• WO 2011073062 A1 20110623 - UNILEVER NV [NL], et al
• US 4877556 A 19891031 - WILSBERG HEINZ-MANFRED [DE], et al
• US 4828750 A 19890509 - SIMION FREDERICK A [US], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2016202572 A1 20161222; BR 112017026647 A2 20180828; BR 112017026647 B1 20220510; CN 107787356 A 20180309; CN 107787356 B 20201016; EP 3310889 A1 20180425; EP 3310889 B1 20190807

DOCDB simple family (application)
EP 2016062225 W 20160531; BR 112017026647 A 20160531; CN 201680035384 A 20160531; EP 16725870 A 20160531