

Title (en)

Heavy duty laundry detergent compositions of reduced dye transfer properties

Title (de)

Vollwaschmittelzusammensetzungen mit verminderten Farbstoffübertragungseigenschaften

Title (fr)

Composition détergente universelle pour le linge ayant des propriétés réduites du transfert de colorant

Publication

EP 0582478 B1 20010124 (EN)

Application

EP 93306205 A 19930805

Priority

- US 92648792 A 19920807
- US 97857392 A 19921119

Abstract (en)

[origin: EP0582478A2] A heavy duty particulate laundry detergent composition which is of reduced dye transfer properties and improved dye stability during laundering of mixed colored and white fabric laundry items is a built nonionic detergent composition (with the builder usually including sodium tripolyphosphate and/or zeolite) in which bentonite or other suitable montmorillonite clay adsorbs any dye released into the wash water by the dyed items and carries such dye off in the removed wash water and rinse water, so that it does not deposit on any white or light colored laundry items. This action of the bentonite is specific to essentially nonionic synthetic organic detergent compositions and to wash waters that contain only (or essentially only) the present nonionic detergent component, present in sufficient anti-deposition proportion. In some instances a low molecular weight polyvinyl pyrrolidone may be present in the detergent compositions to reduce dye transfer further. Various other usual detergent composition builders, functional components, adjuvants and fillers may be present in the invented compositions, together with some water, provided that they are non-interfering. Bleaching compounds and optical brighteners are best omitted or essentially omitted, to improve dye stability of the dyes of the colored laundry items (although comparatively small proportions thereof may be acceptable).

IPC 1-7

C11D 3/12; **C11D 1/66**; **C11D 17/06**; **C11D 3/00**; **C11D 3/075**; **C11D 1/72**; **C11D 3/37**; **C11D 11/00**

IPC 8 full level

C11D 1/72 (2006.01); **C11D 3/00** (2006.01); **C11D 3/075** (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)

C11D 1/72 (2013.01); **C11D 3/0021** (2013.01); **C11D 3/06** (2013.01); **C11D 3/126** (2013.01); **C11D 3/128** (2013.01); **C11D 3/3776** (2013.01); **C11D 11/0088** (2013.01)

Citation (examination)

EP 0530958 A2 19930310 - COLGATE PALMOLIVE CO [US]

Cited by

US5849684A; US5958864A; US5880081A; EP0719856A1; US5922082A; US6291414B1; AU768793B2; CN1083003C; EP2083065A1; US6713442B2; WO9424249A1; WO9500627A1; EP3085761A1; WO2016171636A1; US6794349B2; US6458756B1; WO9710325A1; WO9707194A1; WO9534627A1; WO0105918A3; WO2009093152A1; WO2022104631A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IE IT LI LU NL SE

DOCDB simple family (publication)

EP 0582478 A2 19940209; **EP 0582478 A3 19950628**; **EP 0582478 B1 20010124**; AT E198906 T1 20010215; AU 4197793 A 19940210; AU 660101 B2 19950608; CA 2101289 A1 19940208; DE 69329890 D1 20010301; NO 932812 D0 19930806; NO 932812 L 19940208; NZ 248173 A 19941026

DOCDB simple family (application)

EP 93306205 A 19930805; AT 93306205 T 19930805; AU 4197793 A 19930715; CA 2101289 A 19930726; DE 69329890 T 19930805; NO 932812 A 19930806; NZ 24817393 A 19930716