

Title (en)
Detergent

Title (de)
Waschmittel

Title (fr)
Détergent

Publication
EP 0474915 B2 19980610 (DE)

Application
EP 90124033 A 19901213

Priority
DE 4029035 A 19900913

Abstract (en)
[origin: EP0474915A1] A low-foam, liquid or powdered machine detergent containing 3 to 30% of alkyl polyglycoside 3 to 30% of fatty alcohol ethoxylate 5 to 30% of soap and 0 to 5% of other surfactants characterised in that the alkyl polyglycoside is a mixture of at least 2 components of the formulae I and II <IMAGE> in which R is a linear or branched, saturated or unsaturated alkyl radical with 8 to 11 carbon atoms or mixtures thereof, Zn is a polyglycosyl radical with n = 1 to 3 hexose or pentose units or mixtures thereof, R' is a linear or branched, saturated or unsaturated alkyl radical with 12 to 18 carbon atoms or mixtures thereof, Z'm is a polyglycosyl radical with m = 1 to 3 hexose or pentose units or mixtures thereof.

IPC 1-7
C11D 10/04

IPC 8 full level
C11D 1/68 (2006.01); **C11D 1/72** (2006.01); **C11D 10/04** (2006.01); **C11D 1/66** (2006.01)

CPC (source: EP US)
C11D 3/0026 (2013.01 - EP US); **C11D 10/04** (2013.01 - EP US); **C11D 10/045** (2013.01 - EP US); **C11D 1/662** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US)

Cited by
US5591376A; US5370816A; DE4101070A1; EP0976817A1; US5670474A; FR2734496A1; FR2712595A1; US5670471A; US5599787A; WO9320179A1; WO9749789A1; WO0121743A1; WO0172149A1; WO9637285A1; WO9513863A1; WO9410279A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0474915 A1 19920318; EP 0474915 B1 19950621; EP 0474915 B2 19980610; AT E124084 T1 19950715; CA 2051189 A1 19920314; DE 4029035 A1 19920319; DE 59009299 D1 19950727; DK 0474915 T3 19951120; ES 2076285 T3 19951101; ES 2076285 T5 19981101; GR 3017036 T3 19951130; GR 3027759 T3 19981130; JP 3132731 B2 20010205; JP H04234499 A 19920824; NO 178232 B 19951106; NO 178232 C 19960214; NO 913615 D0 19910912; NO 913615 L 19920316; US 5370816 A 19941206

DOCDB simple family (application)
EP 90124033 A 19901213; AT 90124033 T 19901213; CA 2051189 A 19910911; DE 4029035 A 19900913; DE 59009299 T 19901213; DK 90124033 T 19901213; ES 90124033 T 19901213; GR 950402149 T 19950804; GR 980401938 T 19980827; JP 23348291 A 19910912; NO 913615 A 19910912; US 5482993 A 19930430