

Title (en)
LOW IRRITANT DETERGENT COMPOSITION

Publication
EP 0322741 A3 19900502 (EN)

Application
EP 88121427 A 19881221

Priority
JP 33279387 A 19871228

Abstract (en)
[origin: EP0322741A2] A low irritant detergent composition composed of (A) an alpha -olefinsulfonic acid salt, (B) a surfactant of the sulfosuccinic acid ester type, (C) an amphoteric imidazole surfactant and (D) a nonionic alkanolamide surfactant is provided. The surfactant (B) is represented by the following formula: <CHEM> wherein R means R1O- @-CH2CH2O@m, R1 being a linear or branched alkyl or alkenyl group having 8-22 carbon atoms and m standing for a number of 1-20 on average, and M denotes a hydrogen atom or a cationic ion capable of forming a water-soluble salt selected from the group consisting of alkali metal ions, ammonium ion and organoammonium ions. The weight ratio of (A)/(B) is 1/3-3/1, that of (C)/(A) is 1/10-1/1, that of (D)/(A)+(B) is 1/20-1/2, and the sum of (A)+(B)+(C)+(D) accounts for 10-40 wt.%.

IPC 1-7
C11D 1/94

IPC 8 full level
A61K 8/00 (2006.01); **A61K 8/42** (2006.01); **A61K 8/46** (2006.01); **A61Q 19/10** (2006.01); **C11D 1/28** (2006.01); **C11D 1/94** (2006.01); **C11D 1/12** (2006.01); **C11D 1/14** (2006.01); **C11D 1/52** (2006.01)

CPC (source: EP)
C11D 1/94 (2013.01); **C11D 1/123** (2013.01); **C11D 1/143** (2013.01); **C11D 1/523** (2013.01)

Citation (search report)
• [AP] EP 0269939 A2 19880608 - KAO CORP [JP]
• [A] US 4181634 A 19800101 - KENNEDY ROBERT R [US], et al
• [A] DE 2752116 A1 19780629 - LION FAT OIL CO LTD
• [A] EP 0150323 A2 19850807 - KAO CORP [JP]
• [AD] CHEMICAL ABSTRACTS, vol. 107, no. 24, page 106, abstract no. 219500z, Columbus, Ohio, US; & JP-A-62 127 396 (KAO CORP.) 09-06-1987
• [A] DATA BASE WPIL, page 22, abstract no. 81-39167d, 1981, Derwent Publications Ltd, London, GB; & JP-A-56 038 395 (NIPPON SHOKUBAI KAGAKU), (Cat. D) 13-04-1981

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Designated contracting state (EPC)
AT CH DE ES LI NL

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EP 0322741 A2 19890705; EP 0322741 A3 19900502; EP 0322741 B1 19941012; AT E112798 T1 19941015; DE 3851829 D1 19941117; DE 3851829 T2 19950511; ES 2064340 T3 19950201; JP H01175927 A 19890712; JP H0759715 B2 19950628

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