

Title (en)

Homogeneous enzyme-containing liquid detergent compositions containing saturated fatty acids.

Title (de)

Homogene, Enzym enthaltende, flüssige Reinigungsmittelzusammensetzungen, die gesättigte Fettsäuren enthalten.

Title (fr)

Compositions détergentes liquides, homogènes, contenant des enzymes et des acides gras saturés.

Publication

EP 0028865 A1 19810520 (EN)

Application

EP 80201058 A 19801107

Priority

- US 9290679 A 19791109
- US 12385680 A 19800222
- US 12385780 A 19800222

Abstract (en)

Homogeneous aqueous enzyme-containing liquid detergent compositions containing substantial levels of saturated fatty acids, minute amounts of enzyme-accessible calcium, and additive levels of selected short chain carboxylic acids are disclosed. These compositions exhibit a broad range of stability benefits with respect to the activity of the individual ingredients as well as in respect to homogeneity.

IPC 1-7

C11D 3/386

IPC 8 full level

C11D 3/386 (2006.01)

CPC (source: EP)

C11D 3/38663 (2013.01)

Citation (search report)

- US 3676374 A 19720711 - ZAKI WAHIB NASSIF, et al
- US 4111855 A 19780905 - BARRAT CHRISTIAN ROLAND, et al
- FR 2072316 A5 19710924 - PROCTER GAMBLE EUROP

Cited by

EP0268227A3; US6153576A; US5223166A; US7294611B2; US5904736A; US5972668A; EP0162033A3; US5691295A; US5855625A; EP0476726A1; AU642276B2; FR2537597A1; TR27610A; US7448556B2; US7569226B2; US7098179B2; US7888104B2; US7431739B2; WO2004053042A1; US7320887B2; US7449187B2; US7262042B2; US8034123B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT NL

DOCDB simple family (publication)

EP 0028865 A1 19810520; EP 0028865 B1 19840321; EP 0028865 B2 19890315; DE 3067184 D1 19840426

DOCDB simple family (application)

EP 80201058 A 19801107; DE 3067184 T 19801107