

Title (en)

WASHING AND CLEANING AGENT, CONTAINING A LOW PHOSPHATE CONTENT BUILDER SALT MIXTURE

Publication

EP 0011846 B1 19830504 (DE)

Application

EP 79104696 A 19791126

Priority

DE 2852285 A 19781202

Abstract (en)

[origin: US4392974A] A low-phosphate detergent builder salt mixture consisting of (a) from 45% to 75% by weight of a water-insoluble, finely-divided, synthetic, crystalline alkali metal aluminosilicate with a calcium binding power of from 50 to 200 mg CaO/gm at 22 DEG C., (b) from 15% to 40% by weight of sodium or potassium carboxymethyloxysuccinate, and (c) from 5% to 15% by weight of sodium or potassium tripolyphosphate; as well as use of the same in detergents in amounts of 25% to 60% by weight with the proviso that the total tripolyphosphate content in the detergent does not exceed 5% by weight.

IPC 1-7

C11D 3/08; C11D 3/12

IPC 8 full level

C11D 3/00 (2006.01); **C11D 3/08** (2006.01); **C11D 3/12** (2006.01); **C11D 3/20** (2006.01); **C11D 3/60** (2006.01)

CPC (source: EP US)

C11D 3/06 (2013.01 - EP US); **C11D 3/128** (2013.01 - EP US); **C11D 3/2089** (2013.01 - EP US)

Citation (examination)

DE 2656251 A1 19770616 - COLGATE PALMOLIVE CO

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 0011846 A1 19800611; **EP 0011846 B1 19830504**; DE 2852285 A1 19800612; DE 2965326 D1 19830609; JP S5578099 A 19800612; US 4392974 A 19830712

DOCDB simple family (application)

EP 79104696 A 19791126; DE 2852285 A 19781202; DE 2965326 T 19791126; JP 15569379 A 19791203; US 9713579 A 19791126