

Title (en)

ACTIVE AGENT CONCENTRATES FOR ALKALINE CLEANER HAVING TWO CONSTITUENTS, METHOD FOR THEIR FABRICATION AND THEIR USE

Publication

EP 0191372 B1 19881026 (DE)

Application

EP 86101199 A 19860130

Priority

DE 3504172 A 19850207

Abstract (en)

[origin: US4695396A] The invention relates to alkaline cleaners containing two components A and B, component A being a strongly alkaline solution comprising mostly alkali metal hydroxides and employed in an excess, component B being a concentrate comprising an aqueous silicic acid dispersion containing anionic, nonionic or amphoteric tensides, builder substances, stabilizers and optionally inorganic mineral acids, complexing agents and/or preservatives. Component B contains, as an active ingredient, adjusted to a pH in the range of from 1 to 11, a silicic acid dispersion obtained in situ by treating an alkali metal silicate solution with a mineral acid or a gas reacting acidically in aqueous solution. The dispersions also contain stabilizers, tensides and builder substances. If desired, additional agents conventionally contained in cleaning concentrates may also be added. The invention also relates to processes for preparing such cleaners by treating an alkali metal silicate solution with a mineral acid or a gas reacting acidically in aqueous solution and adding tensides, stabilizers and builder substances thereto.

IPC 1-7

C11D 3/08; **C11D 3/12**

IPC 8 full level

C11D 7/02 (2006.01); **C11D 3/08** (2006.01); **C11D 3/12** (2006.01); **C11D 10/02** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP US)

C11D 3/08 (2013.01 - EP US); **C11D 3/124** (2013.01 - EP US); **C11D 2111/14** (2024.01 - EP US)

Cited by

EP0751211A1; US5601749A; WO9110720A1; EP3156475B1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0191372 A1 19860820; **EP 0191372 B1 19881026**; AU 5325286 A 19860814; AU 578794 B2 19881103; DE 3504172 A1 19860807; DE 3661024 D1 19881201; JP S61183400 A 19860816; US 4695396 A 19870922; ZA 86891 B 19860924

DOCDB simple family (application)

EP 86101199 A 19860130; AU 5325286 A 19860206; DE 3504172 A 19850207; DE 3661024 T 19860130; JP 2664586 A 19860207; US 82729186 A 19860207; ZA 86891 A 19860206