

Title (en)  
MECHANICALLY APPLICABLE COMBINED DISH WASHING AND RINSING AGENT AND PROCESS FOR SIMULTANEOUSLY CLEANING AND RINSING DISHES IN DISHWASHING MACHINES

Publication  
**EP 0014980 B1 19830216 (DE)**

Application  
**EP 80100805 A 19800218**

Priority  
DE 2906891 A 19790222

Abstract (en)  
[origin: EP0014980A1] 1. A powder-form dish-washing preparation suitable for use in dish-washing machines and containing condensed phosphates, silicates, alkalis, nonionic surfactants, active chlorine donors and water-soluble organic polymers, characterised in that it contains a nonionic surfactant from 0.5 to 5% by weight and preferably from 0.8 to 2% by weight of an ethoxylated and subsequently propoxylated fatty alcohol and, as water-soluble organic polymers from 0.2 to 2.5% by weight and preferably from 0.8 to 1.2% by weight of polyethylene glycols having an average molecular weight of from 300,000 to 4,000,000 and preferably from 500,000 to 1,000,000 - based in each case on the total weight of the above-mentioned constituents, including any adhering water or water of hydration present.

IPC 1-7  
**C11D 3/37**

IPC 8 full level  
**C11D 1/722** (2006.01); **C11D 3/37** (2006.01); **C11D 3/395** (2006.01)

CPC (source: EP)  
**C11D 1/722** (2013.01); **C11D 3/3707** (2013.01); **C11D 3/3958** (2013.01)

Cited by  
EP0120533A3; US4992263A; US5767056A; US5759978A; EP0225654A1; EP0182461A1; WO2007018317A1; EP2625257B1; EP2625257B2

Designated contracting state (EPC)  
BE CH DE FR IT NL

DOCDB simple family (publication)  
**EP 0014980 A1 19800903**; **EP 0014980 B1 19830216**; AT 376449 B 19841126; AT A96780 A 19840415; DE 2906891 A1 19800904; DE 3061952 D1 19830324

DOCDB simple family (application)  
**EP 80100805 A 19800218**; AT 96780 A 19800221; DE 2906891 A 19790222; DE 3061952 T 19800218