

Title (en)  
DETERGENT POWDER

Publication  
**EP 0495176 A3 19921014 (DE)**

Application  
**EP 91119602 A 19911116**

Priority  
DE 4101070 A 19910116

Abstract (en)  
[origin: EP0495176A2] The surfactant ingredient in detergent powders nowadays is mainly composed of petrochemical-based surfactants; the biodegradability and the ecotoxicity usually do not correspond to those surfactants based on natural raw materials. A mixture for detergent powders which contains a very high content of surfactants from renewable raw materials is therefore proposed; the washing results and biodegradability are surprising and outstanding. The mixture according to the invention is composed of alkyl polyglycosides with degrees of glycosidation of  $\leq 1.4$  as well as anionic surfactant, fatty alcohol oxethylates and soap.

IPC 1-7  
**C11D 1/66; C11D 1/83**

IPC 8 full level  
**C11D 1/66** (2006.01); **C11D 1/83** (2006.01); **C11D 10/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)  
**C11D 10/04** (2013.01); **C11D 10/045** (2013.01); **C11D 1/14** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01); **C11D 1/662** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)

- [A] US 4536319 A 19850820 - PAYNE NICHOLAS S [US]
- [AD] EP 0075995 A2 19830406 - PROCTER & GAMBLE [US]

Cited by  
US7297672B2; WO2011047950A1; WO9943774A1; WO2011047951A1

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