

Title (en)
ACIDIC LIQUID CLEANING COMPOSITION

Publication
EP 0255978 A3 19890308 (EN)

Application
EP 87201455 A 19870730

Priority
GB 8619391 A 19860808

Abstract (en)
[origin: EP0255978A2] An acidic, aqueous liquid detergent composition, especially suitable for toilet bowl cleaning, is provided with a colour-change ingredient to enable the user to monitor the concentration of the composition upon dilution with water when using the product. By including a detergent-active compound which exists in cationic form in the acid composition and a dye which undergoes a pH-dependent colour change in the acid pH range, the required colour change indication is obtained.

IPC 1-7
C11D 3/40; **C11D 1/62**; **C11D 1/40**; **C11D 1/90**; **C11D 1/92**

IPC 8 full level
C11D 1/40 (2006.01); **C11D 1/62** (2006.01); **C11D 1/75** (2006.01); **C11D 1/90** (2006.01); **C11D 1/92** (2006.01); **C11D 3/40** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)
C11D 1/40 (2013.01); **C11D 1/62** (2013.01); **C11D 1/75** (2013.01); **C11D 1/90** (2013.01); **C11D 1/92** (2013.01); **C11D 3/40** (2013.01)

Citation (search report)
• [XD] GB 1313180 A 19730411 - UNILEVER LTD
• [A] US 4016089 A 19770405 - REGAN GLEN B, et al
• [A] US 4302253 A 19811124 - CIULLO PETER A

Cited by
US9688946B2; WO2017200496A1; US5965514A; EP0754749A1; US5691291A; FR2717108A1; US5990064A; US2014158166A1; US7550422B2; WO2008117235A1; WO03014282A1; WO2005003276A1; WO2006041739A1; WO2008117233A1; US9926519B2; WO2004078896A1; WO2014092865A3

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 87201455 A 19870730; AU 7654987 A 19870804; BR 8703992 A 19870806; CA 543417 A 19870730; GB 8619391 A 19860808; JP 19514487 A 19870804; ZA 875848 A 19870807