

Title (en)
DETERGENT

Title (de)
REINIGUNGSMITTEL

Title (fr)
DETERGENT

Publication
EP 1339823 A2 20030903 (DE)

Application
EP 01984760 A 20011123

Priority
• DE 10059642 A 20001201
• EP 0113684 W 20011123

Abstract (en)
[origin: WO0244309A2] The invention relates to a detergent, especially for cleaning outlet pipes, for waste water containing fat and/or protein from households, of communal origin or from industrial concerns. The detergent contains urea, a urea derivative, a salt of urea and/or a salt of a urea derivative in proportions of approximately 50 to 90 wt. % urea, a urea derivative, a salt of urea and/or a salt of a urea derivative in relation to the dry substance; an agent with an alkaline action, protease and micro-organisms which break down fat.

IPC 1-7
C11D 3/32; **C11D 3/38**; **C11D 3/386**

IPC 8 full level
B08B 3/08 (2006.01); **C02F 1/00** (2006.01); **C02F 3/00** (2006.01); **C11D 3/04** (2006.01); **C11D 3/10** (2006.01); **C11D 3/20** (2006.01); **C11D 3/26** (2006.01); **C11D 3/32** (2006.01); **C11D 3/38** (2006.01); **C11D 3/386** (2006.01); **C11D 3/40** (2006.01); **C11D 3/50** (2006.01); **C11D 7/32** (2006.01); **C11D 7/42** (2006.01)

CPC (source: EP US)
C11D 3/323 (2013.01 - EP US); **C11D 3/381** (2013.01 - EP US); **C11D 3/386** (2013.01 - EP US); **C11D 3/38627** (2013.01 - EP US)

Citation (search report)
See references of WO 0244309A2

Cited by
DE102015110425A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0244309 A2 20020606; **WO 0244309 A3 20020822**; AT E288469 T1 20050215; CA 2436787 A1 20020606; DE 10059642 A1 20020620; DE 10059642 C2 20030227; DE 50105267 D1 20050310; EP 1339823 A2 20030903; EP 1339823 B1 20050202; JP 2004514780 A 20040520; JP 3803639 B2 20060802; US 2004014622 A1 20040122; US 6815404 B2 20041109

DOCDB simple family (application)
EP 0113684 W 20011123; AT 01984760 T 20011123; CA 2436787 A 20011123; DE 10059642 A 20001201; DE 50105267 T 20011123; EP 01984760 A 20011123; JP 2002546658 A 20011123; US 45579703 A 20030530