

Title (en)
LAUNDRY RINSES AND DRYER SHEETS.

Title (de)
WÄSCHESPÜLMITTEL UND BLÄTTER FÜR GEWEBETRÖCKNER.

Title (fr)
PRODUIT DE RINCAGE ET FEUILLES DE SECHAGE DE LESSIVE.

Publication
EP 0571470 B1 19950802 (EN)

Application
EP 92904830 A 19911216

Priority

- US 9109453 W 19911216
- US 65261991 A 19910208
- US 65261591 A 19910208
- US 65260291 A 19910208

Abstract (en)
[origin: WO9213934A1] An N-alkyl-N,N-dimethylamine oxide is used together with N,N-dihydrogenated-tallow-N,N-dimethylammonium chloride to provide an improved fabric softener product which has synergistic properties and which is (1) a laundry rinse which comprises an aqueous solution of a mixture of 25-80 % by weight of the quaternary ammonium chloride and 75-20 % by weight of N-octadecyl-N,N-dimethylamine oxide or (2) a laundry dryer sheet which comprises a flexible absorbent substrate impregnated with a mixture of 10-80 % by weight of the quaternary ammonium chloride and 90-20 % by weight of an N-alkyl-N,N-dimethylamine oxide wherein the alkyl is octadecyl when the amine oxide constitutes 20-40 % of the mixture and otherwise may be any primary alkyl group containing 8-24 carbons.

IPC 1-7
C11D 1/835; **C11D 17/04**; **D06M 10/08**

IPC 8 full level
C11D 17/00 (2006.01); **C11D 1/835** (2006.01); **C11D 3/00** (2006.01); **C11D 17/04** (2006.01); **D06M 13/02** (2006.01); **D06M 13/322** (2006.01); **D06M 13/325** (2006.01); **D06M 13/328** (2006.01); **D06M 13/388** (2006.01); **D06M 13/46** (2006.01); **D06M 13/463** (2006.01); **D06M 23/02** (2006.01); **C11D 1/62** (2006.01); **C11D 1/75** (2006.01); **D06M 101/00** (2006.01); **D06M 101/02** (2006.01); **D06M 101/06** (2006.01); **D06M 101/08** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/32** (2006.01)

CPC (source: EP)
C11D 1/835 (2013.01); **C11D 3/0015** (2013.01); **C11D 17/046** (2013.01); **C11D 17/047** (2013.01); **C11D 1/62** (2013.01); **C11D 1/75** (2013.01)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9213934 A1 19920820; CA 2097503 A1 19920809; CA 2097503 C 19970408; DE 69111829 D1 19950907; DE 69111829 T2 19951214; EP 0571470 A1 19931201; EP 0571470 B1 19950802; JP 3289899 B2 20020610; JP H06505310 A 19940616

DOCDB simple family (application)
US 9109453 W 19911216; CA 2097503 A 19911216; DE 69111829 T 19911216; EP 92904830 A 19911216; JP 50524992 A 19911216