

Title (en)

Aqueous, stable bleaching detergents, and process for washing.

Title (de)

Wässrige, lagerbeständige Bleich- und Waschmittel und Waschverfahren.

Title (fr)

Lessives aqueuses blanchissantes stables au stockage et procédé de lavage.

Publication

**EP 0338921 A1 19891025 (FR)**

Application

**EP 89401084 A 19890419**

Priority

FR 8805335 A 19880422

Abstract (en)

Aqueous liquid detergents. The aqueous and alkaline liquid bleaching detergents which are stable in storage contain sodium perborate monohydrate, a magnesium silicate Mg 3.5 SiO<sub>2</sub>, sodium hydrogen pyrophosphate and a viscosity regulator consisting of polyethylene glycol dialkyl ether copolymers. Application to washing and bleaching at a temperature of between 40 and 90 DEG C.

IPC 1-7

**C11D 3/39; D06L 3/00**

IPC 8 full level

**C11D 3/60** (2006.01); **C11D 3/39** (2006.01); **C11D 17/08** (2006.01); **D06L 3/00** (2006.01); **D06L 3/02** (2006.01)

CPC (source: EP US)

**C11D 3/3947** (2013.01 - EP US)

Citation (search report)

- [AD] FR 2140822 A5 19730119 - AIR LIQUIDE
- [A] FR 1320243 A 19630308 - KALI CHEMIE AG
- [A] GB 943271 A 19631204 - UNILEVER LTD

Cited by

JPH05502471A; EP0368575A3; EP0724011A1; AU662501B2; EP0431747A3; US5464552A; US5597790A; US5445756A; WO9207055A1; WO9623052A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0338921 A1 19891025; EP 0338921 B1 19920624**; AT E77651 T1 19920715; CA 1334735 C 19950314; DE 68901888 D1 19920730; DE 68901888 T2 19930519; ES 2032663 T3 19930216; FR 2630454 A1 19891027; FR 2630454 B1 19900810; JP H0268359 A 19900307; US 5160656 A 19921103

DOCDB simple family (application)

**EP 89401084 A 19890419**; AT 89401084 T 19890419; CA 597356 A 19890421; DE 68901888 T 19890419; ES 89401084 T 19890419; FR 8805335 A 19880422; JP 10033489 A 19890421; US 61405090 A 19901113