

Title (en)

Automatic dishwashing composition containing bleach activators.

Title (de)

Bleichaktivatoren enthaltende Spülmittelzusammensetzung für Geschirrspülmaschinen.

Title (fr)

Compositions détergente pour le lavage automatique de la vaisselle contenant des activateurs de blanchiment.

Publication

**EP 0677576 A3 19971105 (EN)**

Application

**EP 95302082 A 19950329**

Priority

US 22692994 A 19940413

Abstract (en)

[origin: EP0677576A2] Automatic dishwashing detergent compositions comprising a peroxygen bleaching compound and a bleach activator are disclosed. The bleach activators are selected from the group consisting of benzoyloxybenzenesulphonate (BOBS), benzoylcaprolactam (BZCL), benzoylvalerolactam (BZVL), nonanoyloxybenzenesulphonate (NOBS), derivatives and mixtures thereof. Preferred compositions are granular, are substantially phosphate free and contain deterative enzymes. The compositions are effective in removing tea stains under various temperature and pH conditions.

IPC 1-7

**C11D 3/39**

IPC 8 full level

**C11D 3/39** (2006.01)

CPC (source: EP)

**C11D 1/83** (2013.01); **C11D 3/044** (2013.01); **C11D 3/08** (2013.01); **C11D 3/10** (2013.01); **C11D 3/2086** (2013.01); **C11D 3/3907** (2013.01); **C11D 3/3947** (2013.01)

Citation (search report)

- [A] EP 0132860 A1 19850213 - UNILEVER NV [NL]
- [A] EP 0337535 A2 19891018 - UNILEVER NV [NL], et al
- [PX] WO 9428105 A1 19941208 - PROCTER & GAMBLE [US]
- [E] WO 9512656 A1 19950511 - PROCTER & GAMBLE [US]
- [E] WO 9527773 A1 19951019 - PROCTER & GAMBLE [US]

Cited by

AU711742B2; KR102126646B1; US5972237A; AU711960B2; EP0906950A1; KR102101140B1; US5939373A; US5968881A; US9144538B2; US9138393B2; WO9623861A1; WO9918180A1; WO9722681A1; WO9623859A1; WO2012123452A1; US8173587B2; WO9636686A1; WO9616156A1; WO9623860A1

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