

Publication

**EP 0808893 A3 19971203**

Application

**EP 97107976 A 19970516**

Priority

IT MI961019 A 19960521

Abstract (en)

[origin: EP0808893A2] The use of brighteners of formula <CHEM> wherein R and R1, which can be the same or different from each other, are each -H, CH3, -CH2CH3, -CH2-CH2OH; X is the cation of sodium, potassium, ammonium, an amine or an alkanolamine residue, in the brightener of some kinds of detergent products. The presence of the brighteners of formula (I) satisfactorily solves the problem of increasing the whiteness degree of the paste, or, in the case of a powder detergent, of the granules obtained after atomization.

IPC 1-7

**C11D 3/42**

IPC 8 full level

**C09B 57/00** (2006.01); **C11D 3/40** (2006.01); **C11D 3/42** (2006.01); **C11D 17/06** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP)

**C11D 3/42** (2013.01)

Citation (search report)

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- [Y] EP 0578872 A1 19940119 - PROCTER & GAMBLE [US]
- [Y] EP 0043790 A1 19820113 - CIBA GEIGY AG [CH]
- [A] GB 2041026 A 19800903 - CIBA GEIGY AG
- [Y] PATENT ABSTRACTS OF JAPAN vol. 013, no. 072 (C - 570) 17 February 1989 (1989-02-17)
- [A] DATABASE WPI Section Ch Week 7306, Derwent World Patents Index; Class D25, AN 73-07919U, XP002041799
- [A] DATABASE WPI Section Ch Week 9247, Derwent World Patents Index; Class A97, AN 92-386562, XP002041800

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US6090768A; EP2031046A3

Designated contracting state (EPC)

DE ES GB

DOCDB simple family (publication)

**EP 0808893 A2 19971126; EP 0808893 A3 19971203**; BR 9703300 A 20000606; IT 1283044 B1 19980407; IT MI961019 A0 19960521; IT MI961019 A1 19971121; JP H10183182 A 19980714

DOCDB simple family (application)

**EP 97107976 A 19970516**; BR 9703300 A 19970521; IT MI961019 A 19960521; JP 13116297 A 19970521