

Title (en)

Bleaching process and use of quaternary ammonium compounds in bleach compositions.

Title (de)

Bleichverfahren und Verwendung von quaternären Ammoniumverbindungen in Bleichmittelzusammensetzungen.

Title (fr)

Procédé de blanchiment et utilisation de composés d'ammonium quaternaires dans des compositions de blanchiment.

Publication

**EP 0443640 A2 19910828 (EN)**

Application

**EP 91200071 A 19910116**

Priority

- GB 9001491 A 19900123
- IN 21BO1991 A 19910118

Abstract (en)

Use is disclosed of low levels of a quaternary ammonium compound as a bleach booster for organic mono-peroxyacid compounds not containing an additional negative charge in bleach solutions and in bleach (detergent) compositions comprising said peroxyacid bleach compound. Process for bleaching substrates is also disclosed by treating the substrate with a bleach solution comprising said mono-peroxyacid and a quaternary ammonium compound as bleach booster.

IPC 1-7

**C11D 1/62**; **C11D 3/39**

IPC 8 full level

**C11D 7/54** (2006.01); **C11D 1/62** (2006.01); **C11D 3/39** (2006.01); **D06L 3/02** (2006.01)

CPC (source: EP)

**C11D 1/62** (2013.01); **C11D 3/3927** (2013.01)

Cited by

US5415796A; GB2323371A; GB2318362A; GB2323375A; US6436445B1; US6262013B1; US6534075B1; US6855328B2; WO9419446A1; WO9400548A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0443640 A2 19910828**; **EP 0443640 A3 19911106**; AU 635381 B2 19930318; AU 6948891 A 19910725; IN 172454 B 19930814; JP H0525770 A 19930202; JP H0791779 B2 19951004

DOCDB simple family (application)

**EP 91200071 A 19910116**; AU 6948891 A 19910121; IN 21BO1991 A 19910118; JP 8543791 A 19910123