

Title (en)
OXIDISING COMPOSITIONS

Title (de)
OXYDIERENDE ZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS OXYDANTES

Publication
EP 0773718 A1 19970521 (EN)

Application
EP 95927860 A 19950804

Priority
• GB 9501865 W 19950804
• GB 9415906 A 19940805

Abstract (en)
[origin: WO9603873A1] A process is described involving a first step in which an acyl donor bleach activator is reacted with a peroxygen source and the reaction product is subsequently reacted with a biocide precursor to form a biocidal compound. The product mixture is subsequently used as a disinfecting liquor. The product of the reaction between the activator and the peroxygen compound is believed to form a percarboxylic acid. The peracid has biocidal properties. A portion of the peracid is believed to react, usually by oxidation, with the biocide precursor to form the biocidal compound. The peroxygen source may be hydrogen peroxide or an inorganic persalt. The bleach activator is generally an acetyl donor, for instance tetraacetyl ethylene diamine. The biocide precursor is, for instance, a halide ion or Caro's acid. The reaction steps preferably take place at a pH below the pKa of the peracid believed to be generated in the first step, generally at an acidic pH. Compositions are provided containing the peroxygen source, the activator and the biocide precursor, as well as an acidifying species, if necessary to create the desired pH.

IPC 1-7
A01N 37/16

IPC 8 full level
A01N 37/16 (2006.01); **A01N 59/00** (2006.01); **A01N 59/02** (2006.01); **A01N 59/12** (2006.01); **A01N 59/14** (2006.01); **A01N 59/24** (2006.01)

CPC (source: EP KR)
A01N 37/16 (2013.01 - EP KR)

Citation (search report)
See references of WO 9603873A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9603873 A1 19960215; AU 3185395 A 19960304; BR 9508529 A 19971223; EP 0773718 A1 19970521; GB 9415906 D0 19940928; JP H10504028 A 19980414; KR 970704345 A 19970906

DOCDB simple family (application)
GB 9501865 W 19950804; AU 3185395 A 19950804; BR 9508529 A 19950804; EP 95927860 A 19950804; GB 9415906 A 19940805; JP 50634795 A 19950804; KR 19970700646 A 19970131