

Title (en)

CHEMICAL SYSTEM GENERATING REACTIVE OXYGEN SPECIES CONTINUOUSLY AND METHODS OF USING SAME

Title (de)

KONTINUIERLICHES, REAKTIVE SAUERSTOFFSPEZIES GENERIERENDES SYSTEM UND METHODEN DER VERWENDUNG

Title (fr)

SYSTEME CHIMIQUE GENERANT DES ESPECES D'OXYGENE REACTIVES EN CONTINU ET LEURS PROCEDES D'UTILISATION

Publication

EP 0934000 A1 19990811 (EN)

Application

EP 97943087 A 19971014

Priority

- GB 9621505 A 19961015
- IB 9701276 W 19971014

Abstract (en)

[origin: GB2318349A] A biocidal composition which, when associated with a surface is capable of controlling the accumulation of organisms/ organic matter in an aqueous/humid environment at or near the surface, comprises a transition metal ion and a chelate binding to the metal ion, the composition being such that, in the presence of an oxygen source and preferably a reducing agent, it is capable of continuously generating a reactive oxygen species (eg a peroxide, superoxide or hydroxyl radical) in biocidal amounts, the metal ion being so firmly associated with the chelate that it does not dissociate into the aqueous environment. The surface may be eg a ship's hull, a water pipe, a rope, a filter or a medical bandage.

IPC 1-7

A01N 59/00; **A01N 59/20**; **A01N 59/16**; **C09D 5/16**

IPC 8 full level

A01N 59/00 (2006.01); **A01N 59/16** (2006.01); **A01N 59/20** (2006.01); **C09D 5/16** (2006.01)

CPC (source: EP)

A01N 59/00 (2013.01); **A01N 59/16** (2013.01); **A01N 59/20** (2013.01); **C09D 5/1618** (2013.01); **C09D 5/1687** (2013.01)

C-Set (source: EP)

1. **A01N 59/20** + **A01N 61/00**
2. **A01N 59/16** + **A01N 61/00**
3. **A01N 59/16** + **A01N 2300/00**
4. **A01N 59/20** + **A01N 2300/00**

Citation (search report)

See references of WO 9816109A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

GB 2318349 A 19980422; **GB 9621505 D0 19961204**; AU 4469497 A 19980511; EP 0934000 A1 19990811; WO 9816109 A1 19980423

DOCDB simple family (application)

GB 9621505 A 19961015; AU 4469497 A 19971014; EP 97943087 A 19971014; IB 9701276 W 19971014