

Title (en)

COLOR STABLE HYPOCHLOROUS SANITIZER AND METHODS

Title (de)

FARBSTABILER HYPOCHLORIGER ENTKEIMER UND ENTKEIMUNGSVERFAHREN

Title (fr)

DESINFECTANT HYPOCHLOREUX A COULEUR STABLE ET PROCEDES ASSOCIES

Publication

EP 1155109 A1 20011121 (EN)

Application

EP 00915847 A 20000223

Priority

- US 0004595 W 20000223
- US 25708699 A 19990224
- US 50187600 A 20000210

Abstract (en)

[origin: WO0050554A1] Manual warewashing in common food service locations is typically performed in a multicompartment sink. In one basin the ware is contacted with an aqueous detergent. The cleaned ware is rinsed in a subsequent sink and is then sanitized in a sanitizing solution in a third sink. Hypochlorite bleaches, if adjusted to an appropriate pH, can maintain substantial sanitizing capacity while not decolorizing otherwise oxidatively sensitive dyes. In the method of the invention, the sanitizing solution adjusted to a pH of less than about 7 containing a dye can maintain a stable dye solution for a period of time greater than the time required to deplete 90 % or more of the OC in solution. An indication of the existence of active sanitizer in the sanitizer step based on the presence of color in the aqueous solution is thus obtained.

IPC 1-7

C11D 3/395; **C11D 3/40**; **A01N 25/00**

IPC 8 full level

C11D 3/395 (2006.01); **C11D 3/40** (2006.01); **C11D 3/48** (2006.01); **C11D 7/08** (2006.01); **C11D 7/26** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

C11D 3/3955 (2013.01); **C11D 3/3956** (2013.01); **C11D 3/40** (2013.01); **C11D 3/48** (2013.01); **C11D 7/08** (2013.01); **C11D 7/265** (2013.01); **C11D 17/0047** (2013.01)

Citation (search report)

See references of WO 0050554A1

Cited by

US11610467B2

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

WO 0050554 A1 20000831; **WO 0050554 B1 20010118**; AU 3705100 A 20000914; AU 763904 B2 20030807; BR 0008287 A 20011106; CA 2363741 A1 20000831; CN 1230510 C 20051207; CN 1341145 A 20020320; DE 60027550 D1 20060601; DE 60027550 T2 20070426; EP 1155109 A1 20011121; EP 1155109 B1 20060426; JP 2002537405 A 20021105; MX PA01008617 A 20020730

DOCDB simple family (application)

US 0004595 W 20000223; AU 3705100 A 20000223; BR 0008287 A 20000223; CA 2363741 A 20000223; CN 00804140 A 20000223; DE 60027550 T 20000223; EP 00915847 A 20000223; JP 2000601118 A 20000223; MX PA01008617 A 20000223