

Title (en)
ORGANIC DISINFECTING AGENT

Title (de)
ORGANISCHES DESINFEKTIONSMITTEL

Title (fr)
AGENT DE DÉSINFECTION ORGANIQUE

Publication
EP 3543325 A1 20190925 (EN)

Application
EP 18162645 A 20180319

Priority
EP 18162645 A 20180319

Abstract (en)
A disinfecting agent comprising- at least one amino acid and/or at least one iminosugar or a salt thereof, and- polyglucosamine or a salt thereof, wherein the mass ratio between the amino acid and polyglucosamine is 0.25:1-5:1 and wherein at most 1% of the amine groups of polyglucosamine are functionalized with the amino acid. A cleaning agent, detergent, dish-washing detergent, or rinsing agent, comprising the disinfecting agent. A method for the preparation of a disinfecting agent, comprising mixing the amino acid and/or the iminosugar in powder or liquid form and polyglucosamine in powder or liquid form, wherein at most 3% of the amino acid and/or polyglucosamine are activated with a cross-linking reagent. A method for the reduction of microbial contamination in a liquid. A method of sanitizing a surface.

IPC 8 full level
C11D 3/22 (2006.01); **C11D 3/28** (2006.01); **C11D 3/33** (2006.01); **C11D 3/48** (2006.01)

CPC (source: EP)
C11D 3/227 (2013.01); **C11D 3/28** (2013.01); **C11D 3/33** (2013.01); **C11D 3/48** (2013.01); **C11D 2111/12** (2024.01); **C11D 2111/14** (2024.01)

Citation (search report)
• [E] US 2018193236 A1 20180712 - SON SEONG KIL [KR], et al
• [X] US 6723867 B1 20040420 - HUEBNER NORBERT [DE], et al
• [I] WO 9413774 A1 19940623 - ALLERGAN INC [US]
• [A] US 2015051265 A1 20150219 - GAO JUN [CA], et al
• [A] JEON YOU-JIN ET AL: "Effect of antimicrobial activity by chitosan oligosaccharide N-conjugated with asparagine", JOURNAL OF MICROBIOLOGY AND BIOTECHNOL., KOREAN SOCIETY FOR APPLIED MICROBIOLOGY, SEOUL, KR, vol. 11, no. 2, 1 April 2001 (2001-04-01), pages 281 - 286, XP008081226, ISSN: 1017-7825

Cited by
US2023044014A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3543325 A1 20190925; WO 2019180041 A1 20190926

DOCDB simple family (application)
EP 18162645 A 20180319; EP 2019056880 W 20190319