Title (en)

CLEANING AGENTS CONTAINING AMINE OXIDE AND COMPRISING SYNERGISTICALLY ACTING PROTEASES AND AMYLASES

Title (de)

AMINOXID ENTHALTENDE REINIGUNGSMITTEL MIT SYNERGISTISCH WIRKENDEN PROTEASEN UND AMYLASEN

Title (fr)

PRODUITS DE NETTOYAGE CONTENANT DE L'OXYDE D'AMINE ET DES PROTÉASES ET DES AMYLASES À ACTION SYNERGIQUE

Publication

EP 3728537 A1 20201028 (DE)

Application

EP 18795475 A 20181024

Priority

- DE 102017223275 A 20171219
- EP 2018079195 W 20181024

Abstract (en)

[origin: WO2019120697A1] The present invention relates to a cleaning agent comprising: (a) 0.2 - 8wt.% of at least one amine oxide, (b) 5 - 20wt.% of at least one fatty alcohol ether sulfate, (c) 1 x 10-8 - 5wt.% relative to active protein of at least one amylase having at least 90% sequence identity to the amino acid sequence specified in SEQ ID NO:1 or SEQ ID NO:2 over the entire length; (d) 1 x 10-8 - 5wt.% relative to active protein of at least one protease having at least 90% sequence identity to the amino acid sequence specified in SEQ ID NO:1 or SEQ ID NO:2 over the entire length; (e) 0 - 10wt.% of at least one betaine; (f) 0 - 20wt.% of additives and/or additives; (g) 0 - 94.78wt.% of water; wherein the sum of (a) - (g) is 100wt.%. The present invention further relates to the use of the cleaning agent according to the present invention for cleaning and/or disinfecting surfaces.

IPC 8 full level

C11D 1/94 (2006.01); **C11D 3/386** (2006.01)

CPC (source: EP US)

C11D 1/83 (2013.01 - EP); **C11D 1/94** (2013.01 - EP US); **C11D 3/38618** (2013.01 - EP US); **C12N 9/2417** (2013.01 - US); C11D 1/28 (2013.01 - US); C11D 1/29 (2013.01 - EP); C11D 1/75 (2013.01 - EP US); C11D 1/90 (2013.01 - EP US); C11D 2111/14 (2024.01 - US)

Citation (search report)

See references of WO 2019120697A1

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)

DE 102017223275 A1 20190619; EP 3728537 A1 20201028; US 11674109 B2 20230613; US 2020332226 A1 20201022; WO 2019120697 A1 20190627

DOCDB simple family (application)

DE 102017223275 A 20171219; EP 18795475 A 20181024; EP 2018079195 W 20181024; US 201816954571 A 20181024