

Title (en)

CLEANING FORMULATION COMPRISING A BLEACHING AGENT, FOR AUTOMATIC DISHWASHING

Title (de)

REINIGERFORMULIERUNGEN ZUM AUTOMATISCHEN GESCHIRRSPÜLEN MIT BLEICHMITTEL

Title (fr)

FORMULATIONS DE PRODUIT DE NETTOYAGE POUR LAVAGE DE VAISSELLE AUTOMATIQUE AVEC AGENT DE BLANCHIMENT

Publication

**EP 3914686 B1 20230614 (DE)**

Application

**EP 20700896 A 20200115**

Priority

- DE 102019200701 A 20190121
- EP 2020050893 W 20200115

Abstract (en)

[origin: WO2020152005A1] The invention relates to a cleaning agent form comprising a) a liquid, cleaning agent preparation A, containing a1) a builder; a2) complexing agents, b) a liquid cleaning agent preparation B, containing b1) at least one cleaning-active enzyme preparation and b2) optionally at least one non-ionic surfactant, and c) optionally a liquid cleaning agent preparation C, containing c1) an acidifying agent and d) a packaging, characterized in that it comprises a bleaching agent E, separated from the other cleaning agent preparations. The invention also relates to the use of the cleaning agent form as a cleaning agent reservoir for i) a dosing device non-movably integrated into the interior of a dishwasher or ii) a movable dosing device intended for positioning in the interior of a dishwasher. The invention further relates to a cleaning agent dosing system, comprising a) the cleaning agent form, and b) a dosing device removably connected to the cleaning agent form. The invention finally relates to a machine dishwashing method.

IPC 8 full level

**C11D 11/00** (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01); **C11D 3/395** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)

**C11D 3/08** (2013.01); **C11D 3/10** (2013.01); **C11D 3/2082** (2013.01); **C11D 3/2086** (2013.01); **C11D 3/33** (2013.01); **C11D 3/38618** (2013.01); **C11D 3/38627** (2013.01); **C11D 3/38645** (2013.01); **C11D 3/395** (2013.01); **C11D 17/045** (2013.01); **C11D 17/046** (2013.01); **C11D 2111/14** (2024.01)

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

DOCDB simple family (publication)

**DE 102019200701 A1 20200723**; EP 3914686 A1 20211201; EP 3914686 B1 20230614; ES 2952573 T3 20231102; PL 3914686 T3 20231023; WO 2020152005 A1 20200730

DOCDB simple family (application)

**DE 102019200701 A 20190121**; EP 2020050893 W 20200115; EP 20700896 A 20200115; ES 20700896 T 20200115; PL 20700896 T 20200115