

Title (en)

SUPER-CONCENTRATED DILUTABLE POWDER FOR DISHWASHING APPLICATION

Title (de)

SUPERKONZENTRIERTES VERDÜNNBARES PULVER FÜR GESCHIRRSPÜLANWENDUNGEN

Title (fr)

POUDRE DILUABLE SUPER-CONCENTRÉE POUR LAVER LA VAISSELLE

Publication

**EP 4186969 A1 20230531 (EN)**

Application

**EP 21210764 A 20211126**

Priority

EP 21210764 A 20211126

Abstract (en)

The present invention relates to concentrates to be diluted with water for hard surface cleaning purposes, in particular manual dishwashing purposes, comprising at least one surfactant and a rheology modifier system comprising xanthan and/or a derivative thereof and guar gum and/or a derivative thereof. The present invention further relates to the use thereof as well as to a method of preparation, which comprises diluting the concentrate with water.

IPC 8 full level

**C11D 3/22** (2006.01); **C11D 11/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

**C11D 3/222** (2013.01); **C11D 17/06** (2013.01); **C11D 2111/14** (2024.01)

Citation (applicant)

- WO 9700609 A1 19970109 - HENKEL CORP [US]
- DE 2412837 A1 19741031 - HENKEL & CIE GMBH
- EP 0425427 A2 19910502 - HOECHST AG [DE]
- A. DOMSCHB. IRRGANG: "Anionic Surfactants: Organic Chemistry", vol. 56, 1996, MARCEL DEKKER, INC., pages: 501 - 549
- K. H. WALLHAUBER'S: "Praxis der Sterilisation, Desinfektion-Konservierung: Keimidentifizierung-Betriebshygiene", 1995, THIEME
- CAS , no. 7173-51-5-5

Citation (search report)

- [A] WO 2008057985 A1 20080515 - CP KELCO US INC [US]
- [A] DE 69608299 T2 20001130 - RHONE POULENC CHIMIE [FR]
- [A] WO 0027977 A1 20000518 - PROCTER & GAMBLE [US], et al
- [A] EP 0051983 A1 19820519 - UNILEVER PLC [GB], et al
- [A] WO 0041468 A2 20000720 - UNILEVER PLC [GB], et al

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4186969 A1 20230531**; WO 2023094115 A1 20230601

DOCDB simple family (application)

**EP 21210764 A 20211126**; EP 2022080316 W 20221031