

Title (en)
AN EMBOSSED DETERGENT SOLID

Title (de)
FESTE WASCHMITTELZUSAMMENSETZUNG

Title (fr)
COMPOSITION DÉTERGENTE SOLIDE

Publication
EP 4017952 B1 20230322 (EN)

Application
EP 20756881 A 20200820

Priority

- EP 19192827 A 20190821
- EP 19192834 A 20190821
- EP 19192836 A 20190821
- EP 19192828 A 20190821
- EP 19192833 A 20190821
- EP 19192831 A 20190821
- EP 2020073278 W 20200820

Abstract (en)
[origin: WO2021032816A1] A solid composition comprising: a) from 25 to 88 wt. % free acid equivalent of non-crystalline chiral aminopolycarboxylate; and b) from 10 to 60 wt. % free acid equivalent of non-crystalline organic acid different from aminopolycarboxylate; and c) from 0.00001 to 1.0 wt. % of colourant, wherein the colourant comprises dye, pigment or a combination thereof, wherein the dye has an extinction coefficient at the maximum absorption in the range of 400 to 700nm of greater than 1000 L mol⁻¹ cm⁻¹; and d) from 0.7 to 25 wt. % of water; wherein the organic acid has an average molecular mass of at most 500 Dalton, the molecular mass being based on the free acid equivalent.

IPC 8 full level
C11D 3/20 (2006.01); **C11D 3/33** (2006.01); **C11D 3/40** (2006.01); **C11D 17/04** (2006.01)

CPC (source: CN EP)
C11D 3/2075 (2013.01 - CN EP); **C11D 3/2086** (2013.01 - CN); **C11D 3/33** (2013.01 - CN EP); **C11D 3/40** (2013.01 - CN EP); **C11D 7/265** (2013.01 - CN EP); **C11D 7/3245** (2013.01 - CN EP); **C11D 17/0091** (2013.01 - CN); **C11D 17/06** (2013.01 - CN); **C11D 3/2086** (2013.01 - EP); **C11D 17/0091** (2013.01 - EP)

Citation (examination)

- US 2017198241 A1 20170713 - AL-BAYATI ALIAS [DE], et al
- EP 2794836 B1 20160601 - UNILEVER NV [NL], 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

DOCDB simple family (publication)
WO 2021032816 A1 20210225; CN 114258427 A 20220329; CN 114269889 A 20220401; CN 114286854 A 20220405; CN 114302947 A 20220408; CN 114341325 A 20220412; CN 114341330 A 20220412; EP 4017952 A1 20220629; EP 4017952 B1 20230322; EP 4017953 A1 20220629; EP 4017953 B1 20230412; EP 4017954 A1 20220629; EP 4017954 B1 20230405; EP 4017955 A1 20220629; EP 4017955 B1 20230322; EP 4017956 A1 20220629; EP 4017956 B1 20230315; EP 4017957 A1 20220629; EP 4017957 B1 20230329; ES 2942916 T3 20230607; ES 2943127 T3 20230609; ES 2943558 T3 20230614; ES 2944450 T3 20230621; ES 2944952 T3 20230627; ES 2945459 T3 20230703; WO 2021032815 A1 20210225; WO 2021032817 A1 20210225; WO 2021032818 A1 20210225; WO 2021032833 A1 20210225; WO 2021032834 A1 20210225

DOCDB simple family (application)
EP 2020073279 W 20200820; CN 202080058492 A 20200820; CN 202080058501 A 20200820; CN 202080058583 A 20200820; CN 202080058725 A 20200820; CN 202080058726 A 20200820; CN 202080058749 A 20200820; EP 2020073278 W 20200820; EP 2020073280 W 20200820; EP 2020073281 W 20200820; EP 2020073324 W 20200820; EP 2020073326 W 20200820; EP 20756881 A 20200820; EP 20756882 A 20200820; EP 20756883 A 20200820; EP 20757347 A 20200820; EP 20758222 A 20200820; EP 20758223 A 20200820; ES 20756881 T 20200820; ES 20756882 T 20200820; ES 20756883 T 20200820; ES 20757347 T 20200820; ES 20758222 T 20200820; ES 20758223 T 20200820