

Title (en)

FREE-FLOWING AGGLOMERATED NONIONIC SURFACTANT DETERGENT COMPOSITION AND PROCESS FOR MAKING SAME

Title (de)

FREIFLIESENDES AGGLOMERISIERTES NIOTENSIDHALTIGES WASCHMITTEL SOWIE VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

COMPOSITION DETERGENTE TENSIOACTIVE NON-IONIQUE FLUIDE AGGLOMERE ET SON PROCEDE DE FABRICATION

Publication

**EP 0888425 A4 20000823 (EN)**

Application

**EP 97908065 A 19970310**

Priority

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- US 61644396 A 19960315
- US 61656896 A 19960315

Abstract (en)

[origin: WO9733959A1] A free-flowing agglomerated powder detergent process and the resulting composition includes from about 5 % to about 80 % of an alkali metal carbonate; from about 5 % to about 50 % of a detergent surfactant, and up to about 25 % of an alkali metal salt of a carboxylic acid, wherein the carboxylic acid is selected from the group of carboxylic acids that, below a first temperature, have a greater water solubility than the water solubility of its corresponding alkali-metal salt. The alkali-metal salt is preferably provided solely by the reaction of (a) a premix comprising the alkali-metal carbonate coated with the surfactant, (b) a carboxylic acid selected from the group consisting of citric acid, malic acid, and mixtures thereof, and (c) water

IPC 1-7

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Citation (search report)

- [DX] US 4473485 A 19840925 - GREENE ALAN P [US]
- [X] EP 0534525 A2 19930331 - UNILEVER NV [NL], et al
- [X] DE 4435743 A1 19950824 - CHEMOLUX SARL [LU]
- See references of WO 9733959A1

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**WO 9733959 A1 19970918**; AR 006251 A1 19990811; AT E223472 T1 20020915; AU 1990697 A 19971001; AU 715795 B2 20000210; CA 2248994 A1 19970918; CA 2248994 C 20010515; CN 1233275 A 19991027; DE 69715170 D1 20021010; DE 69715170 T2 20030528; EP 0888425 A1 19990107; EP 0888425 A4 20000823; EP 0888425 B1 20020904; HK 1017707 A1 19991126; JP 2002511107 A 20020409

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