

Title (en)

PROCESS FOR PRODUCING A PARTICULATE WASHING OR CLEANING AGENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES TEILCHENFÖRMIGEN WASCH- ODER REINIGUNGSMITTELS

Title (fr)

PROCEDE DE PRODUCTION D'UN DETERGENT OU NETTOYANT PARTICULAIRE

Publication

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Application

EP 97942019 A 19970911

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Abstract (en)

[origin: WO9812299A1] The invention aims at providing particulate washing or cleaning agents, compounds or raw materials with apparent densities above 600 g/l for the latter which even with a reduced surface, in particular with a spherical shape disintegrate better when they are dissolved in an aqueous bath. Moreover, the particulate washing or cleaning agents, compounds or treated raw materials should be produced by joining washing or cleaning agent compounds and/or raw materials, at the same time as or after they are shaped. For that purpose, at first an essentially anhydrous premixture is produced, containing individual raw materials and/or compounds which are solid under standard conditions and have a melting or softening point not below 45 DEG C, as well as up to 10 wt % optional non-ionic surfactants which are liquid at temperatures below 45 DEG C and under 1 bar pressure. The mixture is granulated by applying compacting forces at temperatures of at least 45 DEG C, then further processed or conditioned; the premixture contains at least one raw material or compound which is solid under 1 bar pressure and at temperatures below 45 DEG C, but which melts under processing conditions, forming a molten mass which acts as a polyfunctional, water-soluble binder which serves as a lubricant during the production of the washing and cleaning agent and as an adhesive for the solid washing or cleaning agent compounds or raw materials, but which has a disintegrating effect when the washing or cleaning agent is dissolved again in an aqueous bath.

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Cited by

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WO 9812299 A1 19980326; AT E256176 T1 20031215; CN 1187435 C 20050202; CN 1230984 A 19991006; CZ 296295 B6 20060215; CZ 97799 A3 19990915; DE 19638599 A1 19980326; DE 59711115 D1 20040122; EP 0931137 A1 19990728; EP 0931137 B1 20031210; EP 1015550 A1 20000705; EP 1015550 B1 20060201; ES 2213222 T3 20040816; JP 2001500557 A 20010116; KR 20010023917 A 20010326; KR 20010023926 A 20010326; KR 20010029500 A 20010406; PL 331987 A1 19990816; RU 2200190 C2 20030310; RU 99108122 A 20010220; SK 285376 B6 20061207; SK 35299 A3 19990712; TR 199900582 T2 19990621; UA 64724 C2 20040315

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