

Title (en)

PROCESS FOR THE PRODUCTION OF A DETERGENT GRANULE, DETERGENT GRANULE AND DETERGENT COMPOSITION COMPRISING SAID GRANULE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WASCHMITTELGRANULAT, WASCHMITTELGRANULAT UND WASCHMITTELZUSAMMENSETZUNG MIT DIESEM GRANULAT

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN GRANULE DE DÉTERGENT, GRANULE DE DÉTERGENT ET COMPOSITION DÉTERGENTE COMPRENANT CE GRANULE

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Application

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Abstract (en)

[origin: WO2014009101A1] There is provided a process for the production of a detergent granule comprising at least 40% by weight of an anionic surfactant and suitable for use as a granular detergent composition or a component thereof, which process comprises the steps of (i) mixing an anionic surfactant precursor with a source of alkali to form a neutralised paste, (ii) adding alkali metal salt of a polycarboxylic acid, up to 5% by weight alkaline silicate, polycarboxylate polymer and sodium carbonate to form a slurry and (iii) spray-drying the obtained slurry to form a detergent granule having an amorphous phase content of more than 60% by weight, whereby the molar ratio of the alkali metal salt of a polycarboxylic acid to sodium carbonate is in range of 0.4 to 1.6. There is also provided a spray-dried detergent granule comprising at least 40% by weight of an anionic surfactant, alkali metal salt of a polycarboxylic acid, up to 5% by weight alkaline silicate, polycarboxylate polymer and sodium carbonate and suitable for use as a granular detergent composition or a component thereof, obtainable by the process of the present invention. A third aspect is a detergent composition comprising such granules.

IPC 8 full level

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