

Title (en)
MECHANICAL WASHING PROCESS

Publication
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Application
EP 88109014 A 19880606

Priority
DE 3719906 A 19870615

Abstract (en)
[origin: JPS6426778A] PURPOSE: To provide a machine washing process, which uses a paste-form, phosphate-reduced or phosphate-free detergent of high cleaning effect, the detergent containing a nonionic surfactant, comprising a phase liquid dispersed with solid phase having a specific particle size or less, and being diluted with water to a given concentration, before being thrown into a washing machine. CONSTITUTION: This process uses a paste-form, phosphate-reduced or phosphate-free detergent which contains a nonionic surfactant, is substantially free of water, organic solvent and hydrotropic compound, and adjusts the detergent in such a way that it comprises a phase liquid and solid dispersed therein at 10 deg.C or lower, wherein the solid particles have a mean size of 5 to 40 µm and 65% or less of the particles have a size of 80 µm or less, and the solid phase comprises a washing alkali, sequestering agent and anionic surfactant. The detergent is taken from a storage container, delivered to a mixer and diluted therein with water to at least such an extent that the formation of a gel phase is avoided, further diluted with water to a concentration of 0.5 to 10 g/l, and is automatically supplied to a washing machine. This supplies the detergent free of any cleaning-retarding component and high in cleaning power to the machine.

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