

Title (en)

FORMATION OF DISCRETE, HIGH ACTIVE DETERGENT GRANULES USING A CONTINUOUS NEUTRALIZATION SYSTEM

Publication

EP 0402112 A3 19910313 (EN)

Application

EP 90306139 A 19900606

Priority

US 36472189 A 19890609

Abstract (en)

[origin: EP0402112A2] A process for making discrete, high active detergent particles by: (a) reacting in a continuous neutralization system alkyl sulfuric acid and/or alkyl benzene sulfonic acid with an alkali metal hydroxide solution, (b) adding to the system polyethylene glycol of molecular weight about 4,000-50,000 and/or certain ethoxylated nonionic surfactants, and (c) forming detergent particles. The alkali metal hydroxide solution is greater than or equal to about 62% by weight of the hydroxide, and the neutralized product has less than or equal to about 12% by weight of water. Granular detergent compositions containing the detergent granules are also described.

IPC 1-7

C11D 11/04; C11D 1/831

IPC 8 full level

C11D 10/02 (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01); **C11D 11/02** (2006.01); **C11D 11/04** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP KR)

C11D 3/3707 (2013.01 - EP); **C11D 11/04** (2013.01 - EP); **C11D 17/00** (2013.01 - KR); **C11D 17/06** (2013.01 - EP); **C11D 17/065** (2013.01 - EP)

Citation (search report)

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