

Title (en)

PROCESS FOR PREPARING A SPRAY DRIED DETERGENT PARTICLE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES SPRÜHGETROCKNETEN WASCHMITTELPARTIKELS

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UNE PARTICULE DE DÉTERGENT SÉCHÉE PAR ATOMISATION

Publication

EP 4341370 A1 20240327 (EN)

Application

EP 22729242 A 20220518

Priority

- EP 21174569 A 20210519
- EP 2022063372 W 20220518

Abstract (en)

[origin: WO2022243343A1] The present invention relates to a process for preparing of a particulate, free flowing detergent particle by a slurry making and spray drying technique. It is an object of the present invention to provide a process for preparing a detergent solution which upon spray-drying provides a spray-dried particle having lower reserve alkalinity and which is less harsh on hands and provides good fabric care performance. The present inventors have found a way to provide a free-flowing spray-dried detergent particle which is gentle on hand, gives good fabric care performance, good fabric cleaning performance and which also retains good powder properties by providing a process of preparing a detergent solution which yields lower reserve alkalinity in the spray-dried particle and has a pH preferably from 10.5 to 11.5 and preferably without impacting the current level of alkaline builders such as sodium carbonate and sodium silicate in the composition.

IPC 8 full level

C11D 1/02 (2006.01); **C11D 1/29** (2006.01); **C11D 3/04** (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 11/02** (2006.01)

CPC (source: EP)

C11D 1/02 (2013.01); **C11D 3/044** (2013.01); **C11D 3/046** (2013.01); **C11D 3/08** (2013.01); **C11D 3/10** (2013.01); **C11D 11/02** (2013.01); **C11D 1/29** (2013.01); **C11D 3/122** (2013.01); **C11D 3/1233** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022243343 A1 20221124; BR 112023024048 A2 20240206; CN 117500901 A 20240202; EP 4341370 A1 20240327

DOCDB simple family (application)

EP 2022063372 W 20220518; BR 112023024048 A 20220518; CN 202280035153 A 20220518; EP 22729242 A 20220518