

Title (en)

Phosphate-containing powder automatic dishwashing composition with enzymes.

Title (de)

Pulverförmige phosphatenthaltende Zusammensetzung mit Enzymen für Geschirrspülmaschinen.

Title (fr)

Composition pulvérisée contenant du phosphate et des enzymes pour le lavage automatique de la vaisselle.

Publication

EP 0516555 A2 19921202 (EN)

Application

EP 92401477 A 19920529

Priority

US 70856891 A 19910531

Abstract (en)

A powdered detergent containing a mixture of a protease enzyme and an amylase enzyme, wherein said dishwashing composition comprises in percent by weight : <IMAGE> wherein said protease enzyme is Maxacal protease enzyme and said amylase enzyme is Maxamyl amylase enzyme, a weight ratio of said protease enzyme to said amylase enzyme being 5:1 to about 1.1:1, wherein said detergent dishwashing composition has a pH of less than 10.5, at a concentration of 10 grams/liter.

IPC 1-7

C11D 3/36; **C11D 3/37**; **C11D 3/386**; **C11D 3/39**

IPC 8 full level

C11D 3/06 (2006.01); **C11D 3/08** (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01)

CPC (source: EP)

C11D 3/06 (2013.01); **C11D 3/08** (2013.01); **C11D 3/3761** (2013.01); **C11D 3/38609** (2013.01)

Cited by

US5703027A; GB2283494A; US2014261585A1; US9861258B2; WO2011049945A2; EP2428572A2; US9040278B2; US9040279B2; WO9617047A1; US8507243B2; US10561295B2; US8323945B2; US8975056B2; US9090887B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0516555 A2 19921202; **EP 0516555 A3 19940720**; AU 1620792 A 19921203; AU 654009 B2 19941020; CA 2069849 A1 19921201; FI 922492 A0 19920529; FI 922492 A 19921201; GR 920100244 A 19930331; IE 921743 A1 19921202; NO 922051 D0 19920525; NO 922051 L 19921201; NZ 242824 A 19950427; PT 100534 A 19940131

DOCDB simple family (application)

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