

Title (en)  
DETERGENT FOR USE IN A MACHINE

Publication  
**EP 0035184 A3 19820217 (DE)**

Application  
**EP 81101200 A 19810220**

Priority  
DE 3007320 A 19800227

Abstract (en)  
[origin: US4333771A] A detergent composition with a mechanical cleaning effect for the mechanical cleaning of hard surfaces, particularly cooking and baking utensils, comprising a mixture of granular particles consisting substantially of (A) a powdered to granulated component of conventional mechanical dishwasher washing agents capable of rapidly dissolving or finely dispersing in water, and (B) a granulated component comprising finely divided, water-insoluble inorganic compounds having a particle size between dust fineness and 100  $\mu$ , particularly under 10  $\mu$ , granulated to a grain size of from 0.2 to 4 mm, preferably from 0.4 to 2 mm, and having a granular stability, as determined according to the method indicated in the disclosure, of a half value of 1/4 to 3 and an end value of not more than 15%.

IPC 1-7  
**C11D 3/12**

IPC 8 full level  
**C11D 3/12** (2006.01)

CPC (source: EP US)  
**C11D 3/128** (2013.01 - EP US)

Citation (search report)  
• [A] DE 1949561 A1 19710408 - HENKEL & CIE GMBH  
• [A] DE 2547389 A1 19770505 - HENKEL & CIE GMBH  
• [A] FR 2268072 A1 19751114 - HENKEL & CIE GMBH [DE]  
• [A] AT 336751 B 19770525 - HENKEL & CIE GMBH [DE]

Cited by  
EP0253323A3; WO9411127A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0035184 A2 19810909; EP 0035184 A3 19820217; EP 0035184 B1 19850109**; AT E11150 T1 19850115; DE 3007320 A1 19810910; DE 3168094 D1 19850221; US 4333771 A 19820608

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