

Title (en)  
PHOSPHATE-FREE CLEANING AGENT.

Title (de)  
PHOSPHATFREIES REINIGUNGSMITTEL.

Title (fr)  
PRODUIT DE NETTOYAGE SANS PHOSPHATES.

Publication  
**EP 0569365 A1 19931118 (DE)**

Application  
**EP 92900807 A 19911219**

Priority  
• DE 4102743 A 19910130  
• EP 9102452 W 19911219

Abstract (en)  
[origin: WO9213935A1] Disclosed is a phosphate-free dishwashing agent containing crystalline sodium disilicate (\$g(b)\$-form) produced hydrothermally from quartz sand and caustic soda by a sintering process.

Abstract (fr)  
Un produit pour laver la vaisselle sans phosphates contient un disilicate beta-Na cristallin hydrothermiquement produit à partir de sable silicieux et de soude caustique par une réaction de frittage.

IPC 1-7  
**C11D 3/08**

IPC 8 full level  
**C11D 3/08** (2006.01); **C11D 3/12** (2006.01)

CPC (source: EP)  
**C11D 3/1273** (2013.01)

Citation (search report)  
See references of WO 9213935A1

Cited by  
DE102013019269A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**WO 9213935 A1 19920820**; AT E118539 T1 19950315; DE 4102743 A1 19920806; DE 59104641 D1 19950323; DK 0569365 T3 19950710; EP 0569365 A1 19931118; EP 0569365 B1 19950215; ES 2068702 T3 19950416

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