

Title (en)  
BUILDER COMPONENTS FOR WASHING AND CLEANING PRODUCTS

Title (de)  
GERÜSTSTOFFKOMPONENTE FÜR WASCH- ODER REINIGUNGSMITTEL

Title (fr)  
ADJUVANT DE LAVAGE POUR PRODUITS DE LAVAGE OU DE NETTOYAGE

Publication  
**EP 0715648 B1 19970326 (DE)**

Application  
**EP 94926214 A 19940820**

Priority  
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• EP 9402773 W 19940820

Abstract (en)  
[origin: WO9506705A1] Preparation forms of crystalline stratified silicates have the general formula  $\text{NaMSixO}_{2x+1} \cdot y\text{H}_2\text{O}$ , in which M stands for sodium or hydrogen, x is a number from 1.9 to 4 and y a number from 0 to 20. These compositions are used in washing or cleaning products, have high apparent densities and substantially no fine grain fraction. They are impregnated with liquid compositions whose ingredients substantially consist of the components of usual washing and cleaning products that may cause problems during spray drying. In order to produce such compositions, builders are used which consist of at least 60 % by weight, in relation to the impregnated builder component, crystalline stratified silicates in the form of granules with more than 650 g/l apparent density. These crystalline stratified silicate granules are preferably obtained by roller compacting.

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

IPC 8 full level  
**C01B 33/32** (2006.01); **C01B 33/38** (2006.01); **C11D 3/12** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)  
**C11D 3/1273** (2013.01); **C11D 11/0088** (2013.01); **C11D 17/0034** (2013.01)

Citation (examination)  
• "SKS-6 Detergent Builder of the Future", herausgegeben im Mai 1993 vom Hoechst AG  
• S.Ö.F.W. 116. Jg. - Nr. 20 (1990) Seiten 805-808

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