

Title (en)  
CO-GRANULES AND DETERGENT TABLETS FORMED THEREFROM

Title (de)  
COGRANULATE UND DARAUS GEFORMTE REINIGUNGSMITTEL-TABLETTEN

Title (fr)  
CO-GRANULES ET PASTILLES DETERGENTES PRODUITES A L'AIDE DESDITS CO-GRANULES

Publication  
**EP 0741776 B1 19980527 (EN)**

Application  
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- EP 94202818 A 19940929

Abstract (en)  
[origin: WO9520030A1] A homogenous co-granule comprising a salt of a di-, tri- or tetracarboxylic acid and an inorganic acid salt. The salt of a di-, tri- or tetracarboxylic acid is preferably an alkali metal citrate or an alkali metal oxydisuccinate. The inorganic salt is preferably alkali metal silicate, in particular sodium disilicate or sodium silicate with a composition satisfying  $\text{SiO}_2 : \text{Na}_2\text{O} = 1.0 - 3.3$ , ideally  $1.8 - 2.3$ . The co-granule preferably also comprises at least one polymeric compound, being either acid and/or salt, selected from polycarboxylic acid and polypeptides. The invention also provides detergent compositions and tablets comprising these co-granules. The invention further provides the use of said detergent compositions and tablets in a mechanical dishwashing process.

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Cited by  
CN114846127A; WO2021122052A1; US10165774B2; US11206826B2; US10893674B2; US11026421B2; US9926214B2; US10017403B2; US10023484B2; US8822719B1; US9675076B2; US10031081B2; US10077415B2; US9676711B2; US10017720B2; US10323218B2; US10669512B2; US11015151B2; US11827867B2; US9902627B2; US11180385B2; US11939241B2

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