

Title (en)

PROCESS FOR FORMING TABLETED HIGH-CAUSTIC DETERGENT

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HOCHALKALISCHEN WASCHMITTELTABLETTEN

Title (fr)

PROCEDE DE FORMATION DE DETERGENTS EN COMPRIMES FORTEMENT CAUSTIQUES

Publication

**EP 0815195 A1 19980107 (EN)**

Application

**EP 96905625 A 19960314**

Priority

- CA 9600153 W 19960314
- US 40853895 A 19950322

Abstract (en)

[origin: WO9629387A1] Tableted detergents are formed from a hydrated phosphate sequestrant, caustic, free water and, optionally, fillers by combining the products and tableting the components without permitting the tablets or detergent to exceed 50 DEG C. In a preferred embodiment where fillers are incorporated, all free water is combined with the phosphate sequestrants, both anhydrous and hydrated. After the water has been absorbed by the sequestrants, the filler and caustic can be added and the detergent tableted. The free water is bound sufficiently tightly to the phosphate sequestrant that it does not rapidly react with the anhydrous caustic, maintaining the temperature at less than 50 DEG C, which in turn prevents the water of hydration in the phosphates from reacting and thereby weakening the formed tablets. The tablets can also be formed by combining the filler with the phosphate sequestrants and water and subsequently adding caustic if the detergent is cooled and its temperature maintained below 50 DEG C until the hydration reaction with the caustic and free water is complete.

IPC 1-7

**C11D 17/00**; **C11D 3/06**; **C11D 7/06**

IPC 8 full level

**C11D 3/02** (2006.01); **C11D 3/06** (2006.01); **C11D 7/06** (2006.01); **C11D 7/16** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

**C11D 3/044** (2013.01); **C11D 3/06** (2013.01); **C11D 7/06** (2013.01); **C11D 7/16** (2013.01); **C11D 17/0073** (2013.01)

Citation (search report)

See references of WO 9629387A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**WO 9629387 A1 19960926**; AR 001372 A1 19971022; AU 4934096 A 19961008; AU 714999 B2 20000113; BR 9607840 A 19980616; CA 2215206 A1 19960926; CA 2215206 C 20080212; DE 69602591 D1 19990701; DE 69602591 T2 19991007; EP 0815195 A1 19980107; EP 0815195 B1 19990526; ES 2132895 T3 19990816; TR 199701002 T1 19980221; ZA 962339 B 19960916

DOCDB simple family (application)

**CA 9600153 W 19960314**; AR 33582396 A 19960320; AU 4934096 A 19960314; BR 9607840 A 19960314; CA 2215206 A 19960314; DE 69602591 T 19960314; EP 96905625 A 19960314; ES 96905625 T 19960314; TR 9701002 T 19960314; ZA 962339 A 19960322