

Title (en)

CAST DETERGENT-CONTAINING ARTICLE AND METHOD OF MAKING AND USING

Publication

**EP 0003769 B1 19820929 (EN)**

Application

**EP 79100344 A 19790206**

Priority

US 87578478 A 19780207

Abstract (en)

[origin: EP0003769A1] Solid cast detergent-containing articles are produced for use in automatic washing machines. A liquid detergent composition is cast onto a mold where it is allowed to solidify. The solid cast detergent, surrounded on all but its upper surface by the mold, is used in automatic washing machines. The cast detergent composition includes an alkaline hydratable chemical and optionally further includes one or more preformed cores or plugs comprising an available chlorine source, a defoamer, or the like.

IPC 1-7

**C11D 17/04**; **C11D 17/00**; **A47K 5/08**

IPC 8 full level

**A47L 15/44** (2006.01); **C11D 11/04** (2006.01); **C11D 17/00** (2006.01); **C11D 3/04** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)

**A47L 15/4436** (2013.01); **C11D 17/00** (2013.01); **C11D 17/0052** (2013.01); **C11D 17/041** (2013.01)

Cited by

US5425895A; USRE32818E; US5719111A; US5759977A; EP0245760A3; EP0245759A3; US5490949A; USRE32763E; US5066416A; EP0203523A3; EP0203524A3; US4690770A; EP0224135A3; US4913832A; EP0203526A3; EP0375022A3; EP0242966A3; US4725376A; US5665694A; US5534178A; US5080819A; EP0264043A3; US5419850A; EP0353408A3; EP0224136A3; US4828745A; US4545917A; WO2005105967A1; WO0206431A3; WO9012081A1; WO8911753A3; US7598218B2; US7442679B2; US7601679B2; US7417019B2; US5078301A; EP3536771A1; EP3929271A1; US10287535B2

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

**EP 0003769 A1 19790905**; **EP 0003769 B1 19820929**; BE 904138 A 19860515; CA 1125621 A 19820615; DE 2963759 D1 19821111; HK 53986 A 19860725; IT 1110274 B 19851223; IT 7919942 A0 19790206; JP S54152007 A 19791129; JP S594480 B2 19840130

DOCDB simple family (application)

**EP 79100344 A 19790206**; BE 2060916 A 19860130; CA 321014 A 19790207; DE 2963759 T 19790206; HK 53986 A 19860717; IT 1994279 A 19790206; JP 1316979 A 19790207