

Title (en)

Process for manufacture of a high active detergent composition containing succinic acid

Title (de)

Verfahren zur Herstellung einer hochaktiven Detergenszusammensetzung, Bernsteinsäure enthaltend

Title (fr)

Procédé de préparation d'une composition détergente à haute activité contenant de l'acide succinique

Publication

**EP 0564719 B1 19961030 (EN)**

Application

**EP 92201034 A 19920410**

Priority

EP 92201034 A 19920410

Abstract (en)

[origin: EP0564719A1] A process for making a concentrated liquid detergent composition comprising the steps of : i) mixing succinic anhydride, water and an alkaline catalyst, wherein the ratio of succinic anhydride to water is at least 4:1, ii) allowing an exothermic hydrolysis reaction to take place in a buffer tank ,and iii) mixing the resulting highly active, partly neutralised succinic acid with other detergent ingredients I

IPC 1-7

**C11D 1/08**

IPC 8 full level

**C11D 1/08** (2006.01); **C11D 11/04** (2006.01)

CPC (source: EP)

**C11D 1/08** (2013.01); **C11D 11/04** (2013.01)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 0564719 A1 19931013; EP 0564719 B1 19961030**; CA 2117746 A1 19931028; CA 2117746 C 19990427; CN 1078998 A 19931201; DE 69214932 D1 19961205; DE 69214932 T2 19970515; ES 2093766 T3 19970101; IE 930279 A1 19931020; JP H07505668 A 19950622; MX 9302049 A 19940729; WO 9321290 A1 19931028

DOCDB simple family (application)

**EP 92201034 A 19920410**; CA 2117746 A 19930329; CN 93104023 A 19930410; DE 69214932 T 19920410; ES 92201034 T 19920410; IE 930279 A 19930408; JP 51837193 A 19930329; MX 9302049 A 19930407; US 9302943 W 19930329