

Title (en)  
AN ANIONIC STABILIZED ENZYME-BASED CLEAN-IN-PLACE SYSTEM

Title (de)  
CIP (CLEANING-IN-PLACE) SYSTEM AUF BASIS VON MIT EINEM ANIONISCHEN TENSID STABILISIERTEM ENZYM

Title (fr)  
SYSTEME ENZYMATIQUE STABILISE ET ANIONIQUE POUR NETTOYAGE SUR PLACE PAR CIRCULATION

Publication  
**EP 0842255 A1 19980520 (EN)**

Application  
**EP 96924671 A 19960722**

Priority  
• US 9612052 W 19960722  
• US 50812495 A 19950727  
• US 66053096 A 19960607

Abstract (en)  
[origin: WO9705227A1] A two-part enzyme-based cleaning system useful in clean-in-place operations to remove proteinaceous soils from dairy equipment is described. The system comprises two liquid concentrates stored in separate containers, the concentrates being diluted and mixed for use. A. The first concentrate consists of: i) 1.5 to 7.5 percent by weight of a source of alkalinity selected from the sources of hydroxide based alkaline compositions; ii) 1 to 16 percent by weight of a water conditioner selected from the group consisting of polyacrylic acids and polyphosphates; and iii) balance water. B. The second concentrate consists of: i) 5 to 45 percent by weight of an enzyme stabilizing blend of an alkali salt of a (C6 to C12) fatty acid and a linear (C8-C18) polyoxyalkylene alcohol; ii) an effective amount of a proteolytic enzyme; and iii) optionally, an enzyme compatible non-aqueous polyol filler; and iv) balance water.

IPC 1-7  
**C11D 3/386**; **C11D 7/06**

IPC 8 full level  
**C11D 3/386** (2006.01); **C11D 7/06** (2006.01); **C11D 7/42** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)  
**C11D 3/38618** (2013.01); **C11D 3/38663** (2013.01); **C11D 7/06** (2013.01); **C11D 17/041** (2013.01); **C11D 2111/20** (2024.01)

Cited by  
US10010090B2

Designated contracting state (EPC)  
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**WO 9705227 A1 19970213**; AR 003018 A1 19980527; AU 6506396 A 19970226; AU 719399 B2 20000511; BR 9610043 A 19990706; CA 2231460 A1 19970213; CA 2231460 C 20050201; DE 69605200 D1 19991223; DE 69605200 T2 20000406; EP 0842255 A1 19980520; EP 0842255 B1 19991117; ES 2140111 T3 20000216; JP H11510204 A 19990907

DOCDB simple family (application)  
**US 9612052 W 19960722**; AR 10371696 A 19960724; AU 6506396 A 19960722; BR 9610043 A 19960722; CA 2231460 A 19960722; DE 69605200 T 19960722; EP 96924671 A 19960722; ES 96924671 T 19960722; JP 50766797 A 19960722