

Title (en)
CLEANING METHOD FOR POLYETHYLENE TEREPHTHALATE CONTAINERS

Title (de)
REINIGUNGSVERFAHREN FÜR POLYETHYLEN-TEREPHTHALAT-BEHÄLTER

Title (fr)
PROCEDE DE NETTOYAGE DE RESERVOIRS EN POLYETHYLENE TEREPHTHALATE

Publication
EP 0946701 A4 20000308 (EN)

Application
EP 96941351 A 19961115

Priority
US 9618261 W 19961115

Abstract (en)
[origin: WO9822566A1] A method for cleaning polyethylene terephthalate containers including contacting the PET container with an alkaline wash solution having a temperature ranging of less than about 60 DEG C is disclosed. The alkaline wash solution is formulated from a first concentrate, a second concentrate, an alkalinity source, and a balance of water. The first concentrate preferably has a first nonionic surfactant, a first builder, and acid in an amount effective to provide a phase stable solution. The second concentrate preferably has a second nonionic surfactant and a second builder. The first and second concentrate are present in the wash solution in a concentration ranging from about 0.3 wt.% to 2.0 wt.%. Preferably, the first nonionic surfactant has a cloud point ranging from about 5 DEG C to 60 DEG C.

IPC 1-7
C11D 3/20; **C11D 3/33**; **C11D 3/36**; **C11D 3/60**; **B08B 3/10**; **B08B 9/08**; **C11D 3/34**; **C11D 1/24**

IPC 8 full level
B08B 9/08 (2006.01); **B08B 3/08** (2006.01); **C11D 1/24** (2006.01); **C11D 1/66** (2006.01); **C11D 3/02** (2006.01); **C11D 3/04** (2006.01); **C11D 3/20** (2006.01); **C11D 3/34** (2006.01); **C11D 3/36** (2006.01); **C11D 11/00** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP)
C11D 1/24 (2013.01); **C11D 1/66** (2013.01); **C11D 3/042** (2013.01); **C11D 3/044** (2013.01); **C11D 3/2075** (2013.01); **C11D 3/3418** (2013.01); **C11D 3/361** (2013.01); **C11D 3/3409** (2013.01); **C11D 2111/18** (2024.01)

Citation (search report)
• [E] WO 9719157 A1 19970529 - UNILEVER NV [NL], et al
• [A] DATABASE WPI Section Ch Week 9510, Derwent World Patents Index; Class D25, AN 95-070581, XP002037099
• See references of WO 9822566A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
WO 9822566 A1 19980528; AU 1052197 A 19980610; AU 734264 B2 20010607; CA 2271819 A1 19980528; CA 2271819 C 20070130; DE 69632836 D1 20040805; DE 69632836 T2 20050721; EP 0946701 A1 19991006; EP 0946701 A4 20000308; EP 0946701 B1 20040630; JP 2001504535 A 20010403; JP 4163754 B2 20081008; TW 546379 B 20030811; ZA 975113 B 19981210

DOCDB simple family (application)
US 9618261 W 19961115; AU 1052197 A 19961115; CA 2271819 A 19961115; DE 69632836 T 19961115; EP 96941351 A 19961115; JP 52359398 A 19961115; TW 86108811 A 19970624; ZA 975113 A 19970610