

Title (en)

Method and device for treating refundable plastic bottles.

Title (de)

Verfahren und Vorrichtung zum Behandeln von Mehrwegflaschen aus Kunststoff.

Title (fr)

Procédé et appareil pour le traitement de bouteilles réutilisables en plastique.

Publication

EP 0528217 B1 19951102 (DE)

Application

EP 92112875 A 19920728

Priority

DE 4126951 A 19910816

Abstract (en)

[origin: EP0528217A1] The volumes of returnable plastic bottles are increased before filling by means of a combined heat/internal pressure treatment. This compensates for the shrinking caused by cleaning with hot caustic solution and the number of times the bottle can be used is substantially increased. <IMAGE>

IPC 1-7

B67C 7/00

IPC 8 full level

B65D 1/00 (2006.01); **B67C 7/00** (2006.01)

CPC (source: EP US)

B67C 7/00 (2013.01 - EP US); **B67C 7/0073** (2013.01 - EP US)

Citation (examination)

WO 9118823 A1 19911212 - KRONSEDER MASCHF KRONES [DE]

Cited by

AT515905A4; AT515905B1; EP3079879B1; EP3079879B2

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0528217 A1 19930224; EP 0528217 B1 19951102; BR 9203159 A 19930330; CA 2076172 A1 19930217; DE 4126951 A1 19930218; DE 59204183 D1 19951207; JP H05193696 A 19930803; US 5320144 A 19940614

DOCDB simple family (application)

EP 92112875 A 19920728; BR 9203159 A 19920814; CA 2076172 A 19920814; DE 4126951 A 19910816; DE 59204183 T 19920728; JP 21693392 A 19920814; US 92849092 A 19920814