

Title (en)

METHOD AND DEVICE FOR FILLING BARRELS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM FÜLLEN VON GEBINDEN

Title (fr)

PROCEDE ET DISPOSITIF POUR REMPLIR DES FUTS

Publication

EP 0979206 A1 20000216 (DE)

Application

EP 98916983 A 19980318

Priority

- DE 19718130 A 19970429
- DE 19720170 A 19970514
- EP 9801549 W 19980318

Abstract (en)

[origin: US6230763B1] Disclosed is a method for filling barrels (4), specially kegs, with liquids, wherein at least one gas is dissolved. The barrel (4) is pre-stressed using a gas before the liquid is filled. Liquid is then fed into the barrel (4) by means of a filling valve (2) pertaining to a filling station (1) and connected to a feed line (3, 8). During filling, the pre-stress gas contained in the barrel (4) is evacuated. So as not to impair the product, the pre-stress gas in the barrel (4) is pre-stressed at only a partial pressure which corresponds approximately to the saturation pressure of the CO₂ or N₂ which is dissolved in the filled liquid. Said partial pressure is lower than the maximum product pressure occurring in the feed line (8) prior to the filling valve (2).

IPC 1-7

B67C 3/32

IPC 8 full level

B65B 3/12 (2006.01); **B67C 3/30** (2006.01); **B67C 3/32** (2006.01)

CPC (source: EP US)

B67C 3/32 (2013.01 - EP US); **Y10T 137/299** (2015.04 - EP US)

Designated contracting state (EPC)

AT BE DE DK ES FR GB IE NL

DOCDB simple family (publication)

US 6230763 B1 20010515; AT E202325 T1 20010715; DE 29712148 U1 19970911; DK 0979206 T3 20010924; EP 0979206 A1 20000216; EP 0979206 B1 20010620; ES 2161047 T3 20011116; JP 2000511139 A 20000829; JP 3335181 B2 20021015; WO 9849088 A1 19981105

DOCDB simple family (application)

US 38036199 A 19990830; AT 98916983 T 19980318; DE 29712148 U 19970710; DK 98916983 T 19980318; EP 9801549 W 19980318; EP 98916983 A 19980318; ES 98916983 T 19980318; JP 54652098 A 19980318