

Title (en)
CONTINUOUS ROTARY BOTTLE FILLER

Publication
EP 0222208 B1 19910130 (DE)

Application
EP 86114476 A 19861021

Priority
IT 359985 A 19851111

Abstract (en)
[origin: US4721138A] A bottle filling machine having a rotatable head containing reservoir with a plurality of downwardly extending bottle engaging filling mechanisms is provided with a tappet vertically slidable in the head adjacent each bottle filling mechanism. Each tappet is provided with a prehensile bottle gripping device at the lower end thereof for gripping a bottle and a curved cam plate is provided for raising each tappet and the bottle held thereby to the bottle filling position whereupon the latch pin will be moved into engagement with a bore in the tappet to hold the tappet and bottle in filling position without the assistance of the cam plate. Upon completion of the filling operation the latch is released to allow the filled bottle to be lowered under the influence of gravity.

IPC 1-7
B67C 3/24

IPC 8 full level
B67C 3/24 (2006.01)

CPC (source: EP US)
B67C 3/242 (2013.01 - EP US); **Y10T 292/0976** (2015.04 - EP US)

Citation (examination)
JP S5852919 B2 19831125

Cited by
CN108095796A; EP0321829A1; DE3830663A1; EP0536505A1; DE4133713A1; US5295517A; WO8905772A1

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

DOCDB simple family (publication)
EP 0350974 A2 19900117; EP 0350974 A3 19900307; AT E60566 T1 19910215; DE 3677323 D1 19910307; EP 0222208 A2 19870520; EP 0222208 A3 19880518; EP 0222208 B1 19910130; ES 2000027 A4 19870916; ES 2000027 B3 19910801; ES 2014211 A4 19900701; IT 1214901 B 19900131; IT 8503599 A0 19851111; US 4721138 A 19880126

DOCDB simple family (application)
EP 89116363 A 19861021; AT 86114476 T 19861021; DE 3677323 T 19861021; EP 86114476 A 19861021; ES 86114476 T 19861021; ES 89116363 T 19861021; IT 359985 A 19851111; US 92558986 A 19861031