

Title (en)

Tube-support in a tube filling machine

Title (de)

Tubenhalter in einer Tubenfüllmaschine

Title (fr)

Support pour un tube dans une machine de remplissage de tubes

Publication

EP 1088759 A3 20030423 (DE)

Application

EP 00108915 A 20000427

Priority

DE 19920622 A 19990505

Abstract (en)

[origin: DE19920622A1] A tube filling machine has a tube holder which an essentially cylindrical unit (11) into which a clamp (12) is inserted with a panel-shaped base (13) from which a collar-clamp extends to pick up the tube during the filling operation. The collar-clamp has a number of circumferential vertical slits which extend as far as the lower end, forming axial grips.

IPC 1-7

B65B 43/54; **B65B 43/42**

IPC 8 full level

B65B 43/54 (2006.01)

CPC (source: EP)

B65B 3/16 (2013.01); **B65B 43/54** (2013.01)

Citation (search report)

- [Y] US 3390891 A 19680702 - ALBERT STICHHAN
- [Y] US 3819194 A 19740625 - GREVICH J, et al
- [A] US 3147018 A 19640901 - AUGUST REICHERT
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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19920622 A1 20001109; EP 1088759 A2 20010404; EP 1088759 A3 20030423

DOCDB simple family (application)

DE 19920622 A 19990505; EP 00108915 A 20000427