

Title (en)

TUBE HOLDER FOR A TUBE FILLING MACHINE

Title (de)

TUBENHALTER FÜR EINE TUBENFÜLLMASCHINE

Title (fr)

PORTE-TUBE POUR UNE MACHINE DE REMPLISSAGE DE TUBES

Publication

**EP 3685944 B1 20210811 (DE)**

Application

**EP 19000588 A 20191223**

Priority

DE 102019000473 A 20190124

Abstract (en)

[origin: US2020239166A1] A tube holder has a housing having an upwardly opening tube receptacle into which a tube can be inserted. A plurality of clamping elements arranged in the tube receptacle can be brought to abut an outer wall of the tube and a clamping force acting radially on the inserted tube can be applied by at least one spring element. The clamping elements are each pivotably mounted in a pivot bearing about a horizontal axis. Further clamping elements are below the first group of pivot elements arranged over the tube receptacle and are under the action of the spring element and/or at least one further spring element. The clamping surface of at least some clamping elements and/or at least some further clamping elements at least in sections has a convex contour, curved about a horizontal axis, in the direction of a longitudinal central axis of the tube receptacle.

IPC 8 full level

**B23B 31/117** (2006.01); **B65B 3/16** (2006.01); **B65B 43/54** (2006.01)

CPC (source: EP US)

**B65B 3/16** (2013.01 - US); **B65B 35/16** (2013.01 - US); **B65B 43/54** (2013.01 - EP US); **B65B 59/005** (2013.01 - US); **B65B 3/16** (2013.01 - EP)

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DOCDB simple family (publication)

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