

Title (en)

Filling element without filling tube for a filling machine for low-oxygen filling of beverages

Title (de)

Füllrohrloses Füllelement für eine Füllmaschine zum sauerstoffarmen Abfüllen eines Getränks

Title (fr)

Élément de remplissage sans tube de remplissage pour des machines de remplissage pauvre en oxygène de boissons

Publication

**EP 1270499 B1 20051221 (DE)**

Application

**EP 02006250 A 20020320**

Priority

DE 20110362 U 20010622

Abstract (en)

[origin: EP1270499A1] The filling unit (1) for a filling machine for nearly oxygen free filling of drinks, in particular, beer into bottles (8) comprises a probe serving for determining the filling height. This probe is constituted as a flushing pipe with a channel (19') which is open at its lower, free end and, by means of a gas line (32) with a control valve (29), is connected to a flushing gas channel (4). Also claimed is a filling machine with such filling units. These units are constituted so that they can be used for filling either glass or plastic bottles.

IPC 1-7

**B67C 3/26**; **B67C 3/10**

IPC 8 full level

**B67C 3/10** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP)

**B67C 3/10** (2013.01); **B67C 3/2622** (2013.01); **B67C 3/286** (2013.01); **B67C 2003/2685** (2013.01)

Cited by

US11427453B2; CN102390797A; DE102013109430A1; US10294090B2; US9045325B2; US8967407B2; US9988178B2; US9434505B2; US8348086B2; US8820571B2; US9670049B2; WO2011161705A1; WO2015028249A1

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