

Title (en)

Filling device for bottles or like containers.

Title (de)

Vorrichtung zum Füllen von Flaschen oder dergl. Behältern.

Title (fr)

Dispositif de remplissage de bouteilles ou de récipients similaires.

Publication

EP 0588356 B1 19951206 (DE)

Application

EP 93114985 A 19930917

Priority

DE 4231114 A 19920917

Abstract (en)

[origin: EP0588356A1] In the case of a device for filling bottles or similar containers having at least one filling element with a liquid valve (9) there are provided a first (21) and a second (17) gas duct which are used to feed and/or discharge a tensioning gas and are connected by means of a connection to the interior of the container in question during filling of the latter. A first gas duct (21) can be controlled by the filling elements via a control valve (23), while the second gas duct (17) is constantly connected to the connection leading inside the container. For the first (21) and second (17) gas duct there is provided a common connection which is formed by a third gas duct (16) and the control valve (23) can be actuated independently of the liquid valve (9). <IMAGE>

IPC 1-7

B67C 3/12

IPC 8 full level

B67C 3/12 (2006.01)

CPC (source: EP US)

B67C 3/12 (2013.01 - EP US); **B67C 3/285** (2013.01 - EP US); **B67C 3/286** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0588356 A1 19940323; **EP 0588356 B1 19951206**; AT E131135 T1 19951215; DE 4231114 A1 19940324; DE 59301094 D1 19960118; ES 2080569 T3 19960201; US 5402833 A 19950404

DOCDB simple family (application)

EP 93114985 A 19930917; AT 93114985 T 19930917; DE 4231114 A 19920917; DE 59301094 T 19930917; ES 93114985 T 19930917; US 12300593 A 19930917