

Title (en)  
Filling machine with lifting cylinders actuated by gas pressure.

Title (de)  
Getränkefüllvorrichtung mit gasdruckbetätigten Hubzylindern.

Title (fr)  
Machine de remplissage avec vérins pneumatiques de levage.

Publication  
**EP 0539852 B1 19941019 (DE)**

Application  
**EP 92117972 A 19921021**

Priority  
DE 4135437 A 19911026

Abstract (en)  
[origin: EP0539852A1] A drink filling machine with a plurality of endlessly circulating filling elements and holding devices which are assigned to and circulate synchronously with the filling elements and press the containers to be filled with their apertures against the filling element and lower them again once filling has been completed, the holding devices being individually mounted in respective lifting cylinders (14) which are actuated by means of gas pressure, are connected to one another for their part by means of a ring pipe and are supplied with compressed gas, is characterised in that at least one device (22) which enriches the compressed gas with oil is provided inside the ring pipe (21). <IMAGE>

IPC 1-7  
**B67C 3/24**

IPC 8 full level  
**B67C 3/24** (2006.01)

CPC (source: EP)  
**B67C 3/244** (2013.01)

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0539852 A1 19930505; EP 0539852 B1 19941019**; DE 4135437 A1 19930429; DE 4135437 C2 19940901; DE 59200657 D1 19941124

DOCDB simple family (application)  
**EP 92117972 A 19921021**; DE 4135437 A 19911026; DE 59200657 T 19921021