

Title (en)
Telescoping guide bars for centering bells in container filling machines

Title (de)
Teleskopartige Führungsstangen für Tulpengehänge an Behälterfüllmaschinen

Title (fr)
Barres de guidage télescopiques pour tulipes de centrage de machines de remplissage de récipients

Publication
EP 1382564 B1 20060906 (DE)

Application
EP 03011586 A 20030522

Priority
DE 10232556 A 20020718

Abstract (en)
[origin: EP1382564A1] The suspension adapter with a centering adapter and a distance piece (2) with a base plate (3), at a bottle filling machine, has a telescopic guide rod in a number of component parts. The first telescopic rod section (4) at the base plate extends vertically upwards to an intermediate piece (5), which slides over the first rod. A guide (6) at the top of the first rod gives the sliding action of the intermediate piece over it in all positions. The intermediate piece slides within a guide sleeve (7).

IPC 8 full level
B67C 3/26 (2006.01)

CPC (source: EP)
B67C 3/26 (2013.01); **B67C 2003/266** (2013.01)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1382564 A1 20040121; EP 1382564 B1 20060906; DE 10232556 A1 20040205; DE 50304926 D1 20061019

DOCDB simple family (application)
EP 03011586 A 20030522; DE 10232556 A 20020718; DE 50304926 T 20030522