

Title (en)
Filling nozzle

Title (de)
Abfüllstutzen

Title (fr)
Bec de remplissage

Publication
EP 0559513 B1 19960327 (FR)

Application
EP 93400416 A 19930218

Priority
FR 9202523 A 19920303

Abstract (en)

[origin: EP0559513A1] It includes a tubular body (1) having at least one conical inner wall part (6) adjacent to a lower orifice (7) of the filling nozzle, and a calibrating member having at least one conical calibrating part (10) arranged opposite the conical inner wall part (6) of the tubular body and delimiting therewith an annular space with a cross-section which decreases up to the lower orifice (7) of the filling nozzle, this annular space having a length L at least equal to approximately eight times the width 1 of the annular space taken in a radial direction at the level of the lower orifice (7).
<IMAGE>

IPC 1-7
B65B 39/00

IPC 8 full level
B65B 37/00 (2006.01); **B65B 39/00** (2006.01); **B67C 3/28** (2006.01)

CPC (source: EP)
B65B 39/004 (2013.01); **B67C 3/281** (2013.01)

Cited by
FR2736338A1; EP1433738A1; FR2736339A1; US5816456A; EP0931760A1; NL1008131C2; US6186470B1; US9914629B2; WO9702206A1; WO9702207A1; WO0140098A1; WO2006045165A1; WO9526906A1

Designated contracting state (EPC)
BE CH DE ES GB IT LI NL

DOCDB simple family (publication)
EP 0559513 A1 19930908; EP 0559513 B1 19960327; BR 9300335 A 19930720; DE 69301944 D1 19960502; DE 69301944 T2 19961121; ES 2086198 T3 19960616; FR 2688196 A1 19930910; FR 2688196 B1 19940429; JP H068997 A 19940118; JP H07112879 B2 19951206

DOCDB simple family (application)
EP 93400416 A 19930218; BR 9300335 A 19930302; DE 69301944 T 19930218; ES 93400416 T 19930218; FR 9202523 A 19920303; JP 3971893 A 19930301