

Title (en)  
Liquid transport device.

Title (de)  
Vorrichtung zum Befördern einer Flüssigkeit.

Title (fr)  
Dispositif de transport d'un liquide.

Publication  
**EP 0010456 A1 19800430 (EN)**

Application  
**EP 79302339 A 19791025**

Priority  
• US 5992479 A 19790723  
• US 95468978 A 19781025

Abstract (en)  
A device (10) that includes an ingress aperture (30) which provides improved transport of a drop of liquid, from an exterior surface (16) of the device to the device interior. Means are provided at the intersection of the aperture sidewall (32) and the exterior surface for urging a drop deposited thereon to move into contact with the aperture sidewall and thus into the aperture. In the disclosed embodiments such means are in the form of interior corners (34).

IPC 1-7  
**B01L 3/00**; G01N 33/48

IPC 8 full level  
**B01L 3/00** (2006.01)

CPC (source: EP)  
**B01L 3/50273** (2013.01); **B01L 3/502746** (2013.01); **B01L 2200/027** (2013.01); **B01L 2300/069** (2013.01); **B01L 2300/0822** (2013.01); **B01L 2300/0887** (2013.01); **B01L 2300/089** (2013.01); **B01L 2400/0406** (2013.01); **B01L 2400/0688** (2013.01)

Citation (search report)  
• US 3565537 A 19710223 - FIELDING JACK  
• US 3992158 A 19761116 - PRZYBYLOWICZ EDWIN P, et al  
• FR 1444146 A 19660701 - PROMOVEO  
• US 3690836 A 19720912 - BUISSIERE JEAN, et al

Cited by  
EP0321736A3; EP0703826A4; DE3134611A1; US5376252A; AU619459B2; US4742011A; EP0100235A3; US4439526A; EP0171148A1; US4978503A; EP0840886A4; AU646305B2; GB2168808A; GB2168808B; AU733985B2; DE3739046A1; DE10002500A1; US5997817A; US5278079A; EP0348006A3; GB2351245A; GB2351245B; AU742823B2; CN1115198C; EP0388782A1; US7264139B2; US8232074B2; US6997343B2; US8163560B2; US7250095B2; DE3630866A1; GB2180647A; US4731335A; GB2180647B; WO8600141A1; WO9207655A1; WO9404272A1; WO9116966A1; US7008799B1; US10180133B2; US11248596B2; WO9929429A1; WO2005054845A1; WO9517965A1; WO9929428A1; USRE41309E; USRE42560E; USRE42924E; USRE42953E; USRE43815E; US6344120B1; US7238534B1; US7799578B2

Designated contracting state (EPC)  
AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0010456 A1 19800430**; **EP 0010456 B1 19820728**; CA 1129498 A 19820810; DE 2963436 D1 19820916

DOCDB simple family (application)  
**EP 79302339 A 19791025**; CA 338319 A 19791024; DE 2963436 T 19791025