

Title (en)
CONNECTOR STRUCTURE

Title (de)
VERBINDERSTRUKTUR

Title (fr)
STRUCTURE DE CONNEXION

Publication
EP 2017195 B1 20160907 (EN)

Application
EP 07741927 A 20070419

Priority
• JP 2007058491 W 20070419
• JP 2006128921 A 20060508

Abstract (en)
[origin: EP2017195A1] A connector structure that can minimize the amount of liquid remaining in a container is provided. In a connector structure that is attached to an opening 2 of a container 1 and including a siphon tube 11 for extracting a liquid inside the container 1 with pressure of gas introduced into the container 1, a gas channel 12 for introducing the gas and a liquid channel 13 for extracting the liquid are formed by joining together a plug 40 and a socket 20, and an axis Cs of the siphon tube 11 and an axis Cv of the container 1 have a predetermined inclination angle , therebetween.

IPC 8 full level
B65D 83/00 (2006.01); **B65D 47/06** (2006.01); **B67D 1/04** (2006.01); **B67D 7/02** (2010.01); **B67D 7/72** (2010.01)

CPC (source: EP KR US)
B65D 47/06 (2013.01 - KR); **B65D 83/00** (2013.01 - KR); **B67D 1/0406** (2013.01 - US); **B67D 1/0412** (2013.01 - US); **B67D 7/02** (2013.01 - KR); **B67D 7/0266** (2013.01 - EP US); **B67D 7/0288** (2013.01 - EP US)

Citation (examination)
US 3512676 A 19700519 - DAWSON JOSEPH CARL, et al

Cited by
GB2513670A; AU2016264985B2; US2022037168A1; US11776827B2; EP2930564A1; AU2016357748B2; US11046502B2; US9714164B2; US9527639B2; US10357148B2; WO2020106834A1; WO2017087487A3; WO2016185307A1; US9458002B2; US10414643B2; US10875757B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 2017195 A1 20090121; EP 2017195 A4 20101103; EP 2017195 B1 20160907; JP 2007297126 A 20071115; JP 5048968 B2 20121017; KR 101322257 B1 20131025; KR 20090009213 A 20090122; US 2009101667 A1 20090423; WO 2007129534 A1 20071115

DOCDB simple family (application)
EP 07741927 A 20070419; JP 2006128921 A 20060508; JP 2007058491 W 20070419; KR 20087026262 A 20070419; US 22695007 A 20070419