

Title (en)
Liquid transport drum with removable liner.

Title (de)
Flüssigkeitsbehälter mit abnehmbarer Verkleidung.

Title (fr)
Récipient pour le transfert de liquides avec garniture amovible.

Publication
EP 0501015 A1 19920902 (EN)

Application
EP 91118018 A 19911023

Priority
US 66133791 A 19910225

Abstract (en)
A container (10) for retaining bulk liquid materials is provided having an outer drum (12) forming an enclosed cavity bounded by a base portion (14), upright walls (16) and a top wall (18) including at least one port (20). A liner (26) is disposed within the cavity of the outer drum (12) and is fixably secured to a first bung (32) removably engaged with the port (20). The first bung (32) has a central opening (39) enabling access to the interior of the liner (26) for filling and discharge purposes. When filled with a bulk liquid material, the liner (26) conforms in shape to the shape of the enclosed cavity of the drum (12). The first bung opening (39) is sealed by a second bung member (46) in engagement with the first bung member (32). Upon the emptying of the bulk materials from the drum (12), the liner (28), being thin walled, substantially fully collapses. The first bung member (32) may then be disengaged from the port and the liner (26), in its collapsed state, removed through the port in the top wall (18) of the drum (12). Thus, an easily removable liner is provided which eliminates the necessity of cleaning the drum prior to subsequent use. <IMAGE>

IPC 1-7
B65D 25/16; **B65D 77/06**

IPC 8 full level
B65D 1/12 (2006.01); **B65D 1/20** (2006.01); **B65D 8/04** (2006.01); **B65D 25/16** (2006.01); **B65D 77/06** (2006.01)

CPC (source: EP)
B65D 25/16 (2013.01); **B65D 77/06** (2013.01)

Citation (search report)
• [X] GB 648863 A 19510117 - WILLEM VAN LEER
• [A] FR 1331437 A 19630705 - CIE IND DE MATERIEL D AVIAT
• [A] US 3167210 A 19650126 - CARNEY JR WILLIAM M
• [A] EP 0358053 A2 19900314 - SOTRALENTZ SA [FR]
• [A] DE 8705463 U1 19870604 - SCHOELLHAMMER LUTZ [DE]
• [A] US 4993579 A 19910219 - BURCHETT DENNIS M [US]

Cited by
CN100453420C; EP1051333A4; US5507409A; AU675860B2; CN1040191C; DE4303851A1; CN114194658A; DE202008013466U1; DE102008036988A1; US7065940B2; US6536484B2; US6598631B2; US6761318B2; WO0181196A1; WO9426604A1; US6615880B2; US7066215B1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0501015 A1 19920902; **EP 0501015 B1 19940824**; AT E110340 T1 19940915; AU 640045 B2 19930812; AU 8451291 A 19920827; CA 2051139 A1 19920826; CA 2051139 C 19951017; DE 69103620 D1 19940929; DE 69103620 T2 19950420; JP 3387515 B2 20030317; JP H05162732 A 19930629

DOCDB simple family (application)
EP 91118018 A 19911023; AT 91118018 T 19911023; AU 8451291 A 19910916; CA 2051139 A 19910911; DE 69103620 T 19911023; JP 24601791 A 19910925