

Title (en)  
REFILLABLE MATERIAL TRANSFER SYSTEM

Title (de)  
AUFFÜLLBARES MATERIALTRANSFERSYSTEM

Title (fr)  
SYSTÈME DE TRANSFERT DE MATIÈRE RECHARGEABLE

Publication  
**EP 2902357 A1 20150805 (EN)**

Application  
**EP 15152790 A 20150128**

Priority  
US 201414167882 A 20140129

Abstract (en)  
A material transfer system for storing, transferring and dispensing viscous material, such as fluids and liquids, includes a material containment vessel with an upper region incorporating a motive force and a bottom region with a material ingress and egress opening. A diconical or other shaped force transfer device is located in the material containment area. The force transfer device is an energy transducer when the material containment is filled with highly viscous materials, such as adhesives, sealants, mastics or lubricating greases. The system's performance can be improved by applying a surface treatment to the wetted surfaces of the system to change the physical properties at the fluid/vessel interface.

IPC 8 full level  
**B67D 7/02** (2010.01)

CPC (source: EP)  
**B67D 7/0233** (2013.01); **B67D 2210/0016** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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JP 6711557 B2 20200617; MX 2015001286 A 20150728; MX 371398 B 20200129

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**EP 15152790 A 20150128**; BR 102015001968 A 20150128; CA 2879609 A 20150126; CN 201510039491 A 20150126;  
HK 16100296 A 20160112; JP 2015012919 A 20150127; MX 2015001286 A 20150128