

Title (en)  
A VACUUM BREAK VALVE STRUCTURE

Title (de)  
VAKUUMUNTERBRECHUNGSVENTILSTRUKTUR

Title (fr)  
STRUCTURE DE SOUPAPE CASSE-VIDE

Publication  
**EP 2174044 A4 20110323 (EN)**

Application  
**EP 07794239 A 20070731**

Priority  
SG 2007000225 W 20070731

Abstract (en)  
[origin: WO2009017459A1] A vacuum break valve structure for an internal floating cover of a liquid storage tank and a method for preventing negative pressure buildup on an underside of an internal floating cover in a liquid storage tank. The vacuum break valve structure comprising a valve seat connected to said cover and defining an opening through said cover; a float valve not connected to the valve seat and disposed for substantially free movement under buoyancy between an open state and a closed state; wherein in the closed state the float valve contacts the valve seat and in the open state there is a passageway between the float valve and the valve seat.

IPC 8 full level  
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CPC (source: EP)  
**B65D 88/40** (2013.01); **B65D 90/34** (2013.01); **F17B 1/26** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

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