

Title (en)  
Tank with reinforced corrugated membrane

Title (de)  
Kessel mit verstärkter Wellmembran

Title (fr)  
Cuve à membrane ondulée renforcée

Publication  
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Application  
**EP 12155836 A 20090630**

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Abstract (en)  
[origin: WO2010040922A1] The invention relates to a sealed and thermally insulated vessel having at least one wall including a sealed membrane to be in contact with the product contained in the vessel, and a thermally insulating layer adjacent to said membrane, wherein the membrane includes at least one plate (1) having at least one corrugation (2, 3), characterised in that the vessel includes a reinforcing member (5) inserted under the corrugation between the membrane and the thermally insulating layer.

IPC 8 full level  
**F17C 3/02** (2006.01)

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• [XAI] JP S55122600 U 19800830  
• [XAI] JP S5578896 A 19800613 - KAWASAKI HEAVY IND LTD  
• [E] EP 2261110 A2 20101215 - SAMSUNG HEAVY IND [KR]

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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 SE SI SK TR

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**FR 2936784 A1 20100409; FR 2936784 B1 20101008**; AU 2009301016 A1 20100415; AU 2009301016 B2 20160114; BR PI0920667 A2 20160112; BR PI0920667 B1 20200512; CN 102177389 A 20110907; CN 102588732 A 20120718; CN 102588732 B 20141210; CN 102588733 A 20120718; CN 102588733 B 20141210; EP 2337984 A1 20110629; EP 2337984 B1 20191127; EP 2453159 A2 20120516; EP 2453159 A3 20121212; EP 2453159 B1 20200729; EP 2455650 A2 20120523; EP 2455650 A3 20121212; EP 2455650 B1 20191030; ES 2767975 T3 20200619; ES 2821391 T3 20210426; JP 2012111558 A 20120614; JP 2012144298 A 20120802; JP 2012505125 A 20120301; JP 5379234 B2 20131225; JP 5379258 B2 20131225; JP 5778606 B2 20150916; KR 101645155 B1 20160803; KR 102594126 B1 20231024; KR 20110070998 A 20110627; KR 20120031312 A 20120402; KR 20120031313 A 20120402; KR 20140042936 A 20140407; KR 20160027222 A 20160309; KR 20170115105 A 20171016; KR 20220003163 A 20220107; MX 2011003688 A 20110502; MY 154077 A 20150430; MY 174853 A 20200519; RU 2011116959 A 20121110; RU 2012105125 A 20130820; RU 2012107912 A 20130910; RU 2505737 C2 20140127; RU 2533271 C2 20141120; RU 2535293 C2 20141210; WO 2010040922 A1 20100415

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