

ANTI-SLOSHING DOUBLE-CHAMBERS TANK

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The invention defines a double anti-sloshing tank design to stock and/or transport multiphase substances (fluids, liquid, gas, solids or mixture)

Protection: International (PCT)

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INVENTION

Sloshing is a phenomenon that can be defined as the agitation of a fluid in its container. This is a negative phenomenon as the vehicle's dynamics can be modified by fluid sloshing in the tanks altering the performance of stability of vehicles such as the braking of racing cars.

The invention is about additive manufacturing tanks designed to stock and/or transport multiphase substances with a specific internal structure made by a periodic internal cells system that can avoid sloshing during transport oscillations or accidental bumps.

ADVANTAGES

- Two independent chambers to allow the split transport of fluids
- Improvement of risk management
- Partition of tank internal structure

APPLICATIONS

- Tank for containment and transport of fluids in aerospace, automotive and logistics fields
- Tanks for containment of fluids in agriculture and food industry

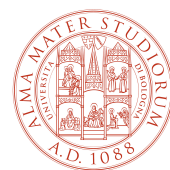
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