

Title (en)
FLUID STORAGE TANK, FILLING METHOD AND AIRCRAFT

Title (de)
FLÜSSIGKEITSAUFBEWAHRUNGSTANK, BEFÜLLUNGSVERFAHREN UND FLUGZEUG

Title (fr)
RÉSERVOIR DE STOCKAGE DE FLUIDE, PROCÉDÉ DE REMPLISSAGE ET AÉRONEF

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Application
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Abstract (en)
A fluid storage tank (1) comprises an elongated rigid storage compartment (2), having a first tank port (8-1) at a first end and a second tank port (8-2) at a second end. A method relates to filling a fluid storage tank, wherein the fluid storage tank is simultaneously filled with fluid (F) through both tank ports. An aircraft (A) comprises multiple fluid storage tanks, wherein their first tank ports (8-1) are interconnected by a first fluid distribution network (10-1) and their second tank ports (8-2) are interconnected by a second fluid distribution network (10-2), each distribution network comprises at least one refilling port (11-1, 11-2) for the fluid (F), and the first and second distribution networks (10-1, 10-2) are interconnected via at least one remotely controllable inter-network valve (12). The invention is particularly useful for storing and distributing hydrogen, in particular in hydrogen fuelled, electrically propelled aircraft.

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Citation (search report)
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• [XA] US 9863581 B2 20180109 - SANTOS PEDRO T [US], et al
• [A] US 7681604 B2 20100323 - HANDA KIYOSHI [US]

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