

Title (en)  
FAILSAFE WATERCRAFT LIFT WITH CONVERTIBLE LEVELING SYSTEM

Title (de)  
AUSFALLSICHERER WASSERFAHRZEUGLIFT MIT UMWANDELBAREM AUSGLEICHSSYSTEM

Title (fr)  
DISPOSITIF DE LEVAGE D'EMBARCATION SECURISE AVEC SYSTEME DE MISE A NIVEAU CONVERTIBLE

Publication  
**EP 2001785 A2 20081217 (EN)**

Application  
**EP 07759308 A 20070323**

Priority  
• US 2007064851 W 20070323  
• US 78490406 P 20060323

Abstract (en)  
[origin: WO2007109808A2] A watercraft lift for raising and lowering a watercraft in water, including a buoyant pontoon, a lifting cradle and at least one pivot arm. The lifting cradle includes at least one air tank and a support bunk configured to receive and support the watercraft. The air tank has an internal chamber configured to receive and release pressurized air. The internal chamber has sufficient internal volume that when sufficient pressurized air is received therein the air tank has sufficient buoyancy to lift the lifting cradle to a raised position with the watercraft out of the water when positioned on the support bunk and that when sufficient pressurized air is released from the internal chamber the air tank loses sufficient buoyancy to sink the lifting cradle to a lowered position sufficiently submerged to receive and deploy the watercraft. The pivot arm is pivotally connected to the pontoon and pivotally connected to the lifting cradle to guide movement of the lifting cradle between the lowered position and the raised position.

IPC 8 full level  
**B66C 1/68** (2006.01)

CPC (source: EP US)  
**B63C 3/06** (2013.01 - EP US); **B66C 1/62** (2013.01 - EP US); **B66F 7/0641** (2013.01 - EP US); **B66F 7/08** (2013.01 - EP US)

Citation (search report)  
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