

Title (en)  
INTEGRATED AIR/OIL RESERVOIR COOLER AND NOISE REDUCTION SYSTEM

Title (de)  
INTEGRIERTES LUFT-/ÖL-RESERVOIR-KÜHLGERÄT UND RAUSCHUNTERDRÜCKUNGSSYSTEM DAFÜR

Title (fr)  
REFROIDISSEUR DE RESERVOIR D'AIR/HUILE INTEGRE ET SYSTEME DE REDUCTION DE BRUIT

Publication  
**EP 2516951 A4 20140723 (EN)**

Application  
**EP 10839974 A 20101203**

Priority  
• US 64639209 A 20091223  
• US 2010058878 W 20101203

Abstract (en)  
[origin: US2011146958A1] A cooling system and method are provided to cool a working fluid in an inner tank. The cooling system includes an outer tank and a gap formed between the inner tank and outer tank. The cooling system further includes a baffle disposed in the gap to damp a flow of a cooling liquid that is introduced into the gap. The baffle is designed to decrease the noise and turbulence that can occur with the introduction of the cooling liquid into the gap.

IPC 8 full level  
**F28D 1/06** (2006.01); **F04B 53/08** (2006.01); **F15B 21/0423** (2019.01); **F28F 9/22** (2006.01); **F28F 13/06** (2006.01)

CPC (source: EP US)  
**F04B 53/08** (2013.01 - EP US); **F15B 1/26** (2013.01 - EP US); **F15B 21/0423** (2018.12 - EP US); **F28D 1/06** (2013.01 - EP US); **F28F 13/06** (2013.01 - EP US); **F28F 2009/228** (2013.01 - EP US); **F28F 2265/28** (2013.01 - EP US); **F28F 2265/30** (2013.01 - EP US)

Citation (search report)  
• [X] US 5569552 A 19961029 - RAO PURUSHOTHAMA [US], et al  
• [A] US 5142875 A 19920901 - JAMES MICHAEL S [US], et al  
• [A] US 4432209 A 19840221 - LANDRY JAMES E [US], et al  
• [A] DE 20206935 U1 20020808 - SCHAEFER WERKE GMBH [DE]  
• [A] US 2006207745 A1 20060921 - KODA MITSUO [JP], et al  
• See references of WO 2011078955A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2011146958 A1 20110623**; CN 102741641 A 20121017; EA 201200933 A1 20130130; EP 2516951 A1 20121031; EP 2516951 A4 20140723; TW 201135070 A 20111016; WO 2011078955 A1 20110630

DOCDB simple family (application)  
**US 64639209 A 20091223**; CN 201080062945 A 20101203; EA 201200933 A 20101203; EP 10839974 A 20101203; TW 99142439 A 20101206; US 2010058878 W 20101203