

Title (en)  
LIQUID TANK STRUCTURE FOR HEAT EXCHANGER

Title (de)  
FLÜSSIGKEITSTANKSTRUKTUR FÜR WÄRMETAUSCHER

Title (fr)  
STRUCTURE DE RESERVOIR DE LIQUIDE POUR ECHANGEUR THERMIQUE

Publication  
**EP 1956322 A1 20080813 (EN)**

Application  
**EP 06832506 A 20061110**

Priority  
• JP 2006322460 W 20061110  
• JP 2005327769 A 20051111

Abstract (en)  
In a liquid tank structure of a heat exchanger, a liquid tank 4 is attached to a heat exchanger having a heat exchanger core defining a condensation part AC and an under cooling part BC, and a pair of headers 1 and 2 each having an inlet part R1, R2 connected with the condensation part AC and an outlet part R3, R4. The condensed refrigerant from the inlet part R2 flows in the liquid tank 4 through an inlet port 1a of an inlet-port side connecting pipe 4a connected with the inlet part R2 of one header 2 of the pair of header. The condensed refrigerant Q accumulated in a bottom portion of the liquid tank 4 is discharged to the outlet part R3 through an outlet port b1 of an outlet-port side connecting pipe 4b connected with the outlet part R3 at a position under an inlet port a1. A sloshing suppression member 11, for suppressing a sloshing of the condensed refrigerant Q accumulated in the bottom portion of the liquid tank 4, has a passing-through ability of the condensed refrigerant and is provided in an inner space of the liquid tank 4 between the inlet port a1 and the outlet port b1.

IPC 8 full level  
**F25B 43/00** (2006.01); **F25B 39/04** (2006.01)

CPC (source: EP US)  
**F25B 39/04** (2013.01 - EP US); **F25B 43/003** (2013.01 - EP US); **F28F 9/0246** (2013.01 - EP US); **F25B 40/02** (2013.01 - EP US); **F25B 2339/0441** (2013.01 - EP US); **F25B 2339/0446** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007055318A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1956322 A1 20080813**; JP 2007132623 A 20070531; US 2009218084 A1 20090903; WO 2007055318 A1 20070518

DOCDB simple family (application)  
**EP 06832506 A 20061110**; JP 2005327769 A 20051111; JP 2006322460 W 20061110; US 9320106 A 20061110