

Title (en)  
Intercooler

Title (de)  
Vorrichtung zur Zwischenkühlung

Title (fr)  
Echangeur de chaleur intermédiaire

Publication  
**EP 1724535 B1 20100901 (DE)**

Application  
**EP 06007927 A 20060415**

Priority  
DE 102005021464 A 20050510

Abstract (en)  
[origin: EP1724535A2] The exchanger has a thin pressure-stable vessel for defining a longitudinal compartment. A flat multi-chamber tube (34) is provided for allowing flow of refrigerant. The tube extends through the compartment and is spaced from two opposing walls of the compartment. Heat exchange ribs (40) are provided for roughly filling the compartment between the tube and the two opposing walls, where the refrigerant flowing through the compartment between the tube and the two opposing walls does not flow through large space.

IPC 8 full level  
**F25B 40/00** (2006.01); **F28D 7/16** (2006.01); **F28F 1/02** (2006.01); **F28F 1/12** (2006.01)

CPC (source: EP US)  
**F25B 40/00** (2013.01 - EP US); **F28D 7/106** (2013.01 - EP US); **F28D 7/1692** (2013.01 - EP US); **F28F 1/022** (2013.01 - EP US); **F28F 1/126** (2013.01 - EP US); **F28F 9/005** (2013.01 - EP US); **F25B 9/008** (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2500/18** (2013.01 - EP US); **F28F 2009/224** (2013.01 - EP US); **F28F 2255/16** (2013.01 - EP US)

Cited by  
ITMO20090290A1; ES2335953A1; EP3460365A1; CN109556339A; EP3819580A1; WO2009021826A1; WO2021089326A1

Designated contracting state (EPC)  
DE ES FR GB IT SE

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