

Title (en)

Refrigerating device for a load stored and/or transported in a cooling chamber of a vehicle

Title (de)

Vorrichtung zum Kühlen einer in einer Kühlkammer eines Fahrzeugs gelagerten und/oder transportierten Ladung

Title (fr)

Dispositif frigorifique pour un chargement stocké et/ou transporté dans une chambre de refroidissement d'un véhicule

Publication

**EP 1445559 A3 20040825 (DE)**

Application

**EP 04002417 A 20040204**

Priority

DE 10304545 A 20030204

Abstract (en)

[origin: EP1445559A2] The arrangement has a heat exchanger (5) acted upon by a coolant (3) and by a fan (4), whereby the coolant cools the cold chamber (1) air. At least one storage container (7) mounted on the vehicle contains the coolant and the fan and heat exchanger are arranged inside the cold chamber. At least one battery-powered fan is installed for circulation of the air (6) in the cold chamber through the heat exchanger.

IPC 1-7

**F25D 16/00**; **B60H 1/00**; **B60P 3/20**

IPC 8 full level

**F25D 3/06** (2006.01); **F25D 16/00** (2006.01)

CPC (source: EP)

**F25D 3/06** (2013.01); **F25D 16/00** (2013.01)

Citation (search report)

- [XA] DE 3807879 C1 19890831
- [XA] US 5065592 A 19911119 - TAKANO YOSHIAKI [JP], et al
- [XA] US 3228205 A 19660111 - FRANKLIN PAUL R
- [A] US 236339 A 18810104
- [A] US 5871041 A 19990216 - RAFALOVICH ALEXANDER P [US], et al
- [XAY] GB 2180049 A 19870318 - STUCKEY TREVOR COLLEY
- [YA] US 2153696 A 19390411 - PHILIPP LAWRENCE A
- [YA] EP 0399449 A2 19901128 - DSDP SPA [IT]
- [A] US 2185022 A 19391226 - CANDOR ROBERT R
- [XA] FR 1327792 A 19630524
- [A] DE 19735584 A1 19990218 - INTEGRAL ENERGIETECHNIK GMBH [DE]
- [A] US 2180502 A 19391121 - DAVID BONSALL CHARLES

Cited by

DE102013200746A1; DE102013200744A1; CN113977165A

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DOCDB simple family (publication)

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