

Title (en)

Ventilation system for storage rooms and for holds from refrigerated ships with high storage shelving

Title (de)

Umluftsystem für ortsgebundene Lagerräume und für Laderäume von Kühlschiffen mit Hochregallagern

Title (fr)

Système de ventilation de chambres de stockage et de cales de navires frigorifiques avec des rayons d'emmagasinement surélevés

Publication

**EP 1702840 A3 20081022 (DE)**

Application

**EP 05008840 A 20050422**

Priority

- DE 202005004501 U 20050317
- DE 202005005817 U 20050408

Abstract (en)

[origin: US2006207284A1] In order to flush with cooling air the goods stacked or palletized in a high-bay rack placed in a stationary store room or in the cargo space of a refrigeration ship by maintaining a constant cooling temperature in all the layers, an air recirculation system is proposed for which two superimposed air circuits ( 40, 140; 40', 140' ) are configured in the area of every rack module ( 30; 130 ), whereby at least one rack module, preferably two rack modules ( 30; 130 ), are placed in the cargo space and whereby a shaft ( 50 ) for the rack stacker is assigned to each rack module ( 30; 130 ) or a shaft ( 50 ) for the rack stacker is placed between the two rack modules ( 30; 130 ) placed the one besides the other, whereby the shaft ( 50 ) serves a common pressure distribution chamber of the inlet air for each rack module ( 30; 130 ).

IPC 8 full level

**B63J 2/08** (2006.01)

CPC (source: EP KR US)

**B21D 37/04** (2013.01 - KR); **B21D 37/08** (2013.01 - KR); **B63B 57/04** (2013.01 - EP US)

Citation (search report)

- [A] GB 393345 A 19330608 - UNITED FRUIT CO
- [A] US 3486553 A 19691230 - ROBERTS EDMUND G RUSSELL
- [A] GB 2333828 A 19990804 - BLUE FUNNEL LINE LIMITED [GB]
- [A] EP 0298406 A1 19890111 - STAL REFRIGERATION AB [SE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**US 2006207284 A1 20060921**; **US 7752867 B2 20100713**; AT E437796 T1 20090815; CN 100594349 C 20100317; CN 1837724 A 20060927; DE 202005005817 U1 20060727; DE 502005007778 D1 20090910; EP 1702840 A2 20060920; EP 1702840 A3 20081022; EP 1702840 B1 20090729; KR 100841523 B1 20080625; KR 20060101226 A 20060922; NO 20061124 L 20060918

DOCDB simple family (application)

**US 35630506 A 20060216**; AT 05008840 T 20050422; CN 200610071740 A 20060316; DE 202005005817 U 20050408; DE 502005007778 T 20050422; EP 05008840 A 20050422; KR 20060010657 A 20060203; NO 20061124 A 20060308