

Title (en)

A MEDIUM- AND LOW-TEMPERATURE INTEGRATED REFRIGERATING/FREEZING SYSTEM

Title (de)

INTEGRIERTES MITTEL- UND NIEDRIGTEMPERATURKÜHL-/TIEFKÜHLSYSTEM

Title (fr)

SYSTÈME DE RÉFRIGÉRATION/CONGÉLATION INTÉGRÉ À TEMPÉRATURES MOYENNES ET BASSES

Publication

EP 2198211 A4 20160113 (EN)

Application

EP 08839645 A 20081017

Priority

- US 2008080297 W 20081017
- CN 200710181324 A 20071017

Abstract (en)

[origin: WO2009052368A1] A medium- and low-temperature integrated refrigerating/freezing system (40) comprises an integrated unit (41), a medium-temperature refrigerating cabinet (43), a low-temperature freezing cabinet (42) and corresponding connecting pipes (44). The integrated unit (41) further comprises a common condenser (54) for condensing the high-temperature and high-pressure gaseous refrigerant in the medium-temperature refrigerating system and the low-temperature freezing system, a common reservoir (55) for the storage of the high- temperature and high-pressure liquid refrigerant in the medium-temperature refrigerating system and the low-temperature freezing system, a subcooling adjusting mechanism (56, 57) for adjusting the subcooling degree in the low-temperature freezing system and a suction temperature adjusting mechanism (431, 432, 58) for adjusting the suction temperature of the low-temperature freezing system.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [I] US 4947655 A 19900814 - SHAW DAVID N [US]
- [A] JP S5076634 A 19750623
- [A] EP 1357338 A1 20031029 - ARPIN JEAN-PAUL [FR]
- [A] EP 0541328 A1 19930512 - GEN ELECTRIC [US]
- See references of WO 2009052368A1

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