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(54) Title (EN): REFRIGERANT-CONTAINING COMPOSITION, AND REFRIGERATING METHOD, REFRIGERATING DEVICE OPERATING METHOD, AND REFRIGERATING DEVICE USING SAID COMPOSITION

(54) Title (FR): COMPOSITION CONTENANT UN FLUIDE FRIGORIGÈNE, ET PROCÉDÉ DE RÉFRIGÉRATION, PROCÉDÉ DE FONCTIONNEMENT DE DISPOSITIF DE RÉFRIGÉRATION ET DISPOSITIF DE RÉFRIGÉRATION UTILISANT LADITE COMPOSITION

(54) Title (JA): 冷媒を含有する組成物、並びに、その組成物を用いた冷凍方法、冷凍装置の運転方法及び冷凍装置

(57) Abstract:

(EN): The present invention provides a composition containing a refrigerant that has the characteristics of having a sufficiently small GWP and having a refrigeration capacity and a coefficient of performance (COP) equivalent to or better than those of R134a. Specifically, the present invention provides a composition containing a refrigerant that contains cis-1,2-difluoroethylene (HFO-1132(Z)) and 2,3,3,3-tetrafluoropropene (HFO-1234yf), wherein the contained proportions of HFO-1132(Z) and HFO-1234yf are respectively 53.0-59.5 mass% and 47.0-40.5 mass% with respect to the total mass of HFO-1132(Z) and HFO-1234yf.

(FR): La présente invention concerne une composition contenant un fluide frigorigène qui a les caractéristiques d'avoir un GWP suffisamment petit et ayant une capacité et un coefficient de performance (COP) équivalent ou supérieur à ceux du R134a. Spécifiquement, la présente invention concerne une composition contenant un fluide frigorigène qui contient du cis-1,2-difluoroéthylène (HFO-1132 (Z)) et du 2,3,3,3-tétrafluoropropène (HFO-1234 yf), les proportions contenues de HFO-1132 (Z) et HFO-1234 yf sont respectivement de 53,0 à 59,5 % en masse et de 47,0 à 40,5% en masse par rapport à la masse totale de HFO-1132 (Z) et de HFO-1234 yf.

(JA): 本開示は、R134aと同等又はそれ以上の成績係数(COP)及び冷凍能力(Capacity)を有すること、並びにGWPが十分に小さいこと、という特性を有する冷媒を含有する組成物を提供する。本開示は、具体的には、冷媒を含有す

る組成物であって、当該冷媒が、シス-1,2-ジフルオロエチレン(HFO-1132(Z))及び2,3,3-テトラフルオロプロペン(HFO-1234yf)を含有し、HFO-1132(Z)及びHFO-1234yfの全質量に対して、HFO-1132(Z)の含有割合が53.0～59.5質量%であり、HFO-1234yfの含有割合が47.0～40.5質量%である、組成物を提供する。

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