

Title (en)

Air Conditioner having refrigerant leakage alarming function based on the senses of human

Title (de)

Klimaanlage mit Kühlmittelleckanzeige anhand menschlicher Sinneswahrnehmung

Title (fr)

Dispositif de climatisation avec détection de fuite de réfrigérant par perception humaine

Publication

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Application

**EP 98106979 A 19980416**

Priority

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Abstract (en)

According to an air conditioner (1) of the present invention, a smell element is added to refrigerant used in a refrigerant circuit, and dye is added to at least one of the refrigerant and refrigerant machine oil (lubricant). The smell element provides irritant smell to the refrigerant, and the dye provides bright color such as red or yellow to the refrigerant and/or the refrigeration machine oil. When the refrigerant leaks from an element of the refrigerant circuit, the irritant smell or the color of the refrigerant (refrigeration machine oil) enables inhabitants to easily recognize the refrigerant leakage.

<IMAGE>

IPC 1-7

**F24F 11/00**

IPC 8 full level

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Citation (applicant)

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Cited by

CN112154292A; DE102005055756A1; DE112006003057B4; EP2589900A4; AU2011272701B2; DE102006053231A1; EP1921123A1; EP1013738A1; US6837061B2; WO2018156720A1; WO2004005060A1; US12110044B2

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