

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

EP 0872693 B1 20050406 (EN)

Application

EP 98106979 A 19980416

Priority

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- JP 11517897 A 19970417

Abstract (en)

[origin: EP0872693A2] 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>

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IPC 8 full level

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Cited by

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

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