

REFRIGERATION APPARATUS AND METHOD FOR DETECTING WHETHER
DIFFERENT REFRIGERAANT HAS BEEN CHARGED INTO THE SAME

ABSTRACT

5 A method for detecting whether a different refrigerant has been charged into a
refrigeration apparatus (10) including a refrigerant circuit (20) includes: a charging step of
charging a refrigerant into the refrigerant circuit (20); a characteristics determination step of
determining whether saturation temperature characteristics of the refrigerant charged in the
charging step are identical to saturation temperature characteristics of a previously
10 determined normal refrigerant, the saturation temperature characteristics of the refrigerant
being derived from a pressure and a temperature of the refrigerant; and an alerting step of,
when, in the characteristics determination step, a determination is made that the saturation
temperature characteristics of the charged refrigerant are different from those of the normal
refrigerant, issuing an alarm indicating that the charged refrigerant is different from the
15 normal refrigerant.

FIG 3