Title (en)

A COMPUTER IMPLEMENTED METHOD, A COMPUTER PROGRAM, AND A SYSTEM FOR MONITORING REFRIGERANT GAS LEAKS IN A REFRIGERATION SYSTEM

Title (de)

COMPUTERIMPLEMENTIERTES VERFAHREN, COMPUTERPROGRAMM UND SYSTEM ZUR ÜBERWACHUNG VON KÄLTEGASLECKS IN EINEM KÄLTESYSTEM

Title (fr)

PROCÉDÉ MIS EN OEUVRE PAR ORDINATEUR, PROGRAMME INFORMATIQUE ET SYSTÈME DE SURVEILLANCE DE FUITES DE GAZ RÉFRIGÉRANT DANS UN SYSTÈME DE RÉFRIGÉRATION

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Abstract (en)

The present invention relates to a computer implemented method for monitoring refrigerant gas leaks in a refrigeration system, comprising:- detecting a refrigerant gas leak within a predetermined volume and measuring, along time, a concentration of said detected refrigerant gas leak within said predetermined volume; and- estimating the severity of said detected refrigerant gas leak by computing a leak severity indicator that relates said concentration measurements to refrigerant gas leak intensity represented by estimations of mass leaked over time within said predetermined volume.The present invention also relates to a computer program and a system for monitoring refrigerant gas leaks in a refrigeration system which implement the method of the invention.

IPC 8 full level

F24F 11/36 (2018.01); **F24F 11/62** (2018.01)

CPC (source: EP)

F24F 11/36 (2018.01); **F24F 11/62** (2018.01); F25B 2500/222 (2013.01)

Citation (search report)

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