

Title (en)

AUTOMATIC MANAGING AND MONITORING SYSTEM OF PREDETERMINED REFRIGERATED ZONES OF A REFRIGERATION PLANT

Title (de)

SYSTEM ZUR AUTOMATISCHEN VERWALTUNG UND ÜBERWACHUNG VORBESTIMMTER KÜHLZONEN EINER KÜHLANLAGE

Title (fr)

SYSTÈME DE GESTION ET DE SURVEILLANCE AUTOMATIQUE DE ZONES RÉFRIGÉRÉES PRÉDÉFINIES D'UNE INSTALLATION DE RÉFRIGÉRATION

Publication

**EP 3948814 A1 20220209 (EN)**

Application

**EP 20716943 A 20200324**

Priority

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- IB 2020052745 W 20200324

Abstract (en)

[origin: WO2020194183A1] The present invention relates to an automatic managing and monitoring system (1) of the refrigerated zones of a refrigeration plant, substantially consisting of a main PLC (2); a Router (3); a Modem (4); a Cloud Computing (5), a Modbus RTU (6), a plurality of thermal sensors (7) for an appropriate control of the temperatures of the refrigerated zones of the refrigeration plant; a plurality of motors or ratio motors (8); a plurality of valves (9); a plurality of PLCs (10), different from said main PLC (2); a plurality of temperature control devices (11) of the monitored temperatures; a Profibus communication network (12), a CANopen communication protocol (13), multiple connections (14, 15, 16, 17), in particular for PCs (14), for tablets (15), for devices which can be connected via HDMI (16) or via a mobile Internet device (17) or smartphone.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2020194183A1

Designated contracting state (EPC)

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