

Title (en)

SENSOR HUB, SENSOR SYSTEM, METHOD FOR TRANSMITTING SENSOR SIGNALS AND COMPUTER-READABLE STORAGE MEDIUM

Title (de)

SENSORHUB, SENSORSYSTEM, VERFAHREN ZUM ÜBERTRAGEN VON SENSORSIGNALEN UND COMPUTERLESBARES-SPEICHERMEDIUM

Title (fr)

CONCENTRATEUR DE CAPTEURS, SYSTÈME DE CAPTEURS, PROCÉDÉ DE TRANSMISSION DE SIGNAUX DE CAPTEURS ET SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR

Publication

EP 3967004 A1 20220316 (DE)

Application

EP 20724499 A 20200507

Priority

- DE 102019112230 A 20190510
- EP 2020062687 W 20200507

Abstract (en)

[origin: WO202229292A1] When multiple sensors are installed in a control cabinet or on a production system, complex wiring is required to connect the sensors to a user device. This is disadvantageous. This disadvantage is eliminated by a sensor hub (20), comprising: at least one sensor communication device (21, 22, 23, 24), which is designed to receive sensor signals (27, 27', 27'', 27''') from at least two sensors (11, 12, 13, 14) and/or to send same to at least two sensors (11, 12, 13, 14); a computer device (25) which is communicatively connected to the at least one sensor communication device (21, 22, 23, 24) and which is designed for generating sensor data (28, 7, 8) using the sensor signals (27, 27', 27'', 27'''); and a transmitting device (26) which is designed to transmit the sensor data (28, 7, 8) via a single communications medium (4) to a user device (5), wherein the sensor data (28, 7, 8) specifies addresses (A1, A2, A3, A4) which are each assigned to one of the at least two sensors (11, 12, 13, 14).

IPC 8 full level

H04L 12/40 (2006.01); **H04L 12/46** (2006.01)

CPC (source: EP US)

G05B 19/054 (2013.01 - US); **H04L 12/40013** (2013.01 - EP US); **H04L 12/40032** (2013.01 - EP US); **H04L 12/4625** (2013.01 - EP); **H04L 2012/4026** (2013.01 - EP US)

Citation (search report)

See references of WO 2020229292A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102019112230 A1 20201112; CN 113812120 A 20211217; CN 113812120 B 20231010; EP 3967004 A1 20220316; US 2022247596 A1 20220804; WO 2020229292 A1 20201119

DOCDB simple family (application)

DE 102019112230 A 20190510; CN 202080035064 A 20200507; EP 2020062687 W 20200507; EP 20724499 A 20200507; US 202017609858 A 20200507