

Title (en)

METHOD OF ASSIGNING A PLURALITY OF UNIQUE IDENTIFIERS TO A PLURALITY OF SENSORS OF AN ARRAY

Title (de)

VERFAHREN ZUR ZUWEISUNG VON EINDEUTIGEN IDENTIFIKATOREN AN EINE VIELZAHL VON SENSOREN EINES ARRAYS

Title (fr)

PROCÉDÉ D'ATTRIBUTION D'UNE PLURALITÉ D'IDENTIFICATEURS UNIQUES À UNE PLURALITÉ DE CAPTEURS D'UN RÉSEAU

Publication

EP 3627469 A1 20200325 (EN)

Application

EP 19199010 A 20190923

Priority

IT 201800008846 A 20180924

Abstract (en)

A method of assigning a plurality of unique identifiers to a plurality of sensors (2) of an array (1) of sensors (2) in signal communication with one another and with a control unit (4) via a predetermined connection (5), the sensors (2) being connected to each other according to a sequential order starting from the control unit (4); said method comprising the steps of:- temporarily setting a first identifier (A) in each sensor (2) of the array (1);- generating a trigger signal on the connection (5) by the control unit (4);- cyclically repeating the steps of:- receiving said trigger signal by a receiving sensor (2) of the array (1), said receiving sensor (2) being the sensor (2) closest to the control unit (4) according to the sequential order among the sensors set with the first identifier (A);- temporarily setting a second identifier (B) in said receiving sensor (2);- sending on the connection by the control unit (4) a setting signal containing a unique identifier directed to a sensor (2) of the array (1) set with the second identifier (B);- receiving by the sensor (2) of the array (1) set with the second identifier (B) the setting signal containing the unique identifier and changing the corresponding identifier from the second identifier (B) to the unique identifier;- propagating the trigger signal on the connection (5) by the sensor (2) that has received the setting signal containing the unique identifier.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- IT 141508 B
- EP 1182630 A2 20020227 - NITTAN CO LTD [JP]

Citation (search report)

- [A] EP 1182630 A2 20020227 - NITTAN CO LTD [JP]
- [A] EP 2866387 A1 20150429 - AMRONA AG [CH]
- [A] GB 2319373 A 19980520 - MENVIER [GB]

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