

Title (en)

PLUG-IN RADIO MODULE FOR AUTOMATION ENGINEERING

Title (de)

ANSTECKBARES FUNKMODUL DER AUTOMATISIERUNGSTECHNIK

Title (fr)

MODULE RADIO ENFICHABLE RELEVANT DE LA TECHNIQUE D'AUTOMATISATION

Publication

EP 3785087 A1 20210303 (DE)

Application

EP 19719790 A 20190417

Priority

- DE 102018110101 A 20180426
- EP 2019059946 W 20190417

Abstract (en)

[origin: WO2019206768A1] Plug-in radio module for automation engineering for wireless data transmission, having at least a wired interface (7) for connecting to a corresponding wired field device interface (5) of a field device (1) and radio module electronics (8) having a radio antenna (9), wherein the radio module electronics (8) are configured to use the wired interfaces (5, 7) to query at least one current value (I) of the field device (1) and to use the current value (I) to adapt a paging interval (3a) and/or a radio data width (3b) for the wireless data transmission as appropriate, so that the radio module electronics (8) perform an adapted-power mode of operation in which the wireless data transmission is matched to the power (P) currently made available to the field device (1).

IPC 8 full level

G05B 19/042 (2006.01)

CPC (source: EP US)

G05B 19/042 (2013.01 - EP); **G05B 19/4155** (2013.01 - US); **H04B 1/40** (2013.01 - US); **G05B 2219/31121** (2013.01 - EP US); **G05B 2219/33192** (2013.01 - EP)

Citation (search report)

See references of WO 2019206768A1

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)

WO 2019206768 A1 20191031; CN 111989627 A 20201124; DE 102018110101 A1 20191031; EP 3785087 A1 20210303; US 11588511 B2 20230221; US 2021067192 A1 20210304

DOCDB simple family (application)

EP 2019059946 W 20190417; CN 201980025992 A 20190417; DE 102018110101 A 20180426; EP 19719790 A 20190417; US 201917050645 A 20190417