

Title (en)

ELECTRICAL CONNECTION LINE WITH REDUCED INDUCTANCE PER UNIT LENGTH

Title (de)

ELEKTRISCHE VERBINDUNGSLEITUNG MIT VERMINDERTEM INDUKTIVITÄTSBELAG

Title (fr)

LIGNE DE CONNEXION ÉLECTRIQUE À INDUCTANCE RÉDUITE

Publication

EP 3375002 A1 20180919 (DE)

Application

EP 16775261 A 20161004

Priority

- DE 102015222253 A 20151111
- EP 2016073651 W 20161004

Abstract (en)

[origin: WO2017080717A1] The invention relates to an electrical connection line (1) comprising at least two electrical conductors (3) separated from one another by an insulation material (2), wherein at least one conductor has a core region (31) that is surrounded by a casing region (32), wherein the electrical conductivity κ_2 of the casing region (32) is greater than the electrical conductivity κ_1 of the core region (31). The invention also relates to an assembly (10) formed by a control device (11) and an actuator (12), wherein the actuator (12) can be supplied with a current I_A by the control device (11) via an electrical connection line (13) connected between the control device (11) and the actuator (12), and wherein the control device has means for measuring the voltage U_M , which decreases over the series connection of the electrical connection line (13) and the actuator (12), wherein the electrical connection line (13) is an electrical connection line (1) according to one of claims 1 to 9.

IPC 8 full level

H01B 7/30 (2006.01)

CPC (source: EP)

H01B 7/1825 (2013.01); **H01B 7/30** (2013.01); **H01B 7/0009** (2013.01)

Citation (search report)

See references of WO 2017080717A1

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 102015222253 A1 20170511; EP 3375002 A1 20180919; WO 2017080717 A1 20170518

DOCDB simple family (application)

DE 102015222253 A 20151111; EP 16775261 A 20161004; EP 2016073651 W 20161004