

Title (en)
ISOLATION AMPLIFIER

Title (de)
TRENNVERSTÄRKER

Title (fr)
AMPLIFICATEUR-SÉPARATEUR

Publication
EP 3494638 A1 20190612 (DE)

Application
EP 17754621 A 20170728

Priority
• DE 102016214263 A 20160802
• EP 2017069160 W 20170728

Abstract (en)
[origin: WO2018024631A1] An isolation amplifier comprises – an input circuit (1) at high voltage potential having an input (6) for a measurement signal to be transmitted, an input circuit configuration (7) for providing a coupling section signal representing the measurement signal, and a high-voltage-side control unit (19) for driving the input circuit configuration (7), – a galvanically isolating coupling section (3) for the potential-free transmission of the coupling section signal, – an output circuit (2) at low voltage potential having an output circuit configuration (11) for generating an output signal from the transmitted coupling section signal, an output (15) for the output signal, and at least one low-voltage-side control unit (23, 48) for generating control signals, – inputting elements (28, 29) for inputting control commands and/or parameters into the high-voltage-side control unit (19), – a low-voltage-side arrangement of all the inputting elements (28, 29), including the inputting elements (28, 29) provided for the parameterization of the high-voltage-side control unit (19), exclusively in a low-voltage circuit (2, 41), and – a galvanically isolating control channel (SK; SK'; SK'') for transmitting the parameters for driving the input circuit configuration (7), said parameters being determined for the high-voltage-side control unit (19) and being input via the low-voltage-side inputting elements (28, 29), to the high-voltage-side control unit (19), which control channel can be embodied as a second coupling section (30).

IPC 8 full level
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See references of WO 2018024631A1

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