

Title (en)

VOLTAGE SOURCE AND METHOD FOR CALIBRATING THIS VOLTAGE SOURCE

Title (de)

SPANNUNGSQUELLE UND VERFAHREN ZUM KALIBRIEREN DIESER SPANNUNGSQUELLE

Title (fr)

SOURCE DE TENSION ET PROCÉDÉ DE CALIBRATION DE CETTE SOURCE DE TENSION

Publication

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Application

EP 21778433 A 20210917

Priority

- FR 2009405 A 20200917
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Abstract (en)

[origin: WO2022058534A1] The invention relates to an electrical voltage source (1) comprising - an integrated circuit (2) comprising two input terminals configured to receive an electrical control signal, two output terminals configured to deliver an output voltage (Vs), at least one Josephson junction which is coupled to the input terminals and to the output terminals such that the value of the output voltage (Vs) depends on the frequency of the electrical control signal (6), - a cryogenic module (3), - a microwave generator (4) configured to deliver the electrical control signal (6). The source of electrical voltage (1) comprises an adjustment module (5) configured to adjust the amplitude of the electrical control signal (6) as a function of its frequency according to a predetermined rule. The invention further relates to a method for calibrating such a source.

IPC 8 full level

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Citation (search report)

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