

Title (en)

HIGH VOLTAGE GENERATION CIRCUIT AND METHOD

Title (de)

HOCHSPANNUNGSERZEUGUNGSSCHALTUNG UND -VERFAHREN

Title (fr)

CIRCUIT ET PROCÉDÉ DE GÉNÉRATION DE HAUTE TENSION

Publication

**EP 3656045 A1 20200527 (EN)**

Application

**EP 18834510 A 20180709**

Priority

- CN 201710590945 A 20170719
- US 2018041242 W 20180709

Abstract (en)

[origin: WO2019018148A1] A high voltage generation circuit is disclosed, which includes a battery for providing a first direct current voltage, a first inductance connected in series with the battery, a power switch and a voltage multiplier. The power switch is configured for converting the first direct current voltage to a pulse voltage. The voltage multiplier is configured for multiplying the pulse voltage to a second direct current voltage. The second direct current voltage is higher than the first direct current voltage. The voltage multiplier includes super capacitors which are connected in series. A high voltage generation method is also disclosed.

IPC 8 full level

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CPC (source: CN EP)

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