

Title (en)
HIGH-VOLTAGE GENERATOR DEVICE

Title (de)
HOCHSPANNUNGS-GENERATORVORRICHTUNG

Title (fr)
DISPOSITIF DE GENERATION DE HAUTE TENSION

Publication
EP 2238677 A1 20101013 (FR)

Application
EP 09710502 A 20090209

Priority
• FR 2009050206 W 20090209
• FR 0850786 A 20080207

Abstract (en)
[origin: WO2009101352A1] High-voltage generator device, comprising an inductive-capacitive resonator (RS2) capable of producing a high voltage, means for generating a high-frequency control pulse train, a voltage source (VMT), a capacitor (C1) and a voltage generator (GENI) comprising a switching transistor (M1), the control electrode (G) of which is connected to the output of the means for generating the high-frequency control pulse train, the source (S) of the switching transistor (M1) being connected to ground, and the drain (D) of the switching transistor (M1) being capable of delivering a voltage pulse train to the inductive-capacitive resonator (RS2) in response to the control pulse train received on the control electrode (G) of the switching transistor (M1). The drain (D) of the switching transistor (M1) is connected to the inductive-capacitive resonator (RS2) via an isolating transformer (TRANS), the isolating transformer (TRANS) being connected in parallel with a capacitor (C1), the isolating transformer (TRANS) also being connected to the voltage source (VMT).

IPC 8 full level
H02M 7/523 (2006.01)

CPC (source: EP US)
F02P 3/01 (2013.01 - EP); **H02M 7/5233** (2013.01 - EP US); **F02P 23/045** (2013.01 - EP)

Citation (search report)
See references of WO 2009101352A1

Citation (examination)
• US 5587630 A 19961224 - DOOLEY KEVIN A [CA]
• EP 0766003 A2 19970402 - MITSUBA CORP [JP]
• US 4083347 A 19780411 - GRATHER GUNTER, et al

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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