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(19) **United States**(12) **Patent Application Publication**
Gleich et al.(10) **Pub. No.: US 2016/0184601 A1**(43) **Pub. Date: Jun. 30, 2016**(54) **MAGNETIC STIMULATOR FOR
STIMULATING TISSUE WITH A MAGNETIC
FIELD**(30) **Foreign Application Priority Data**

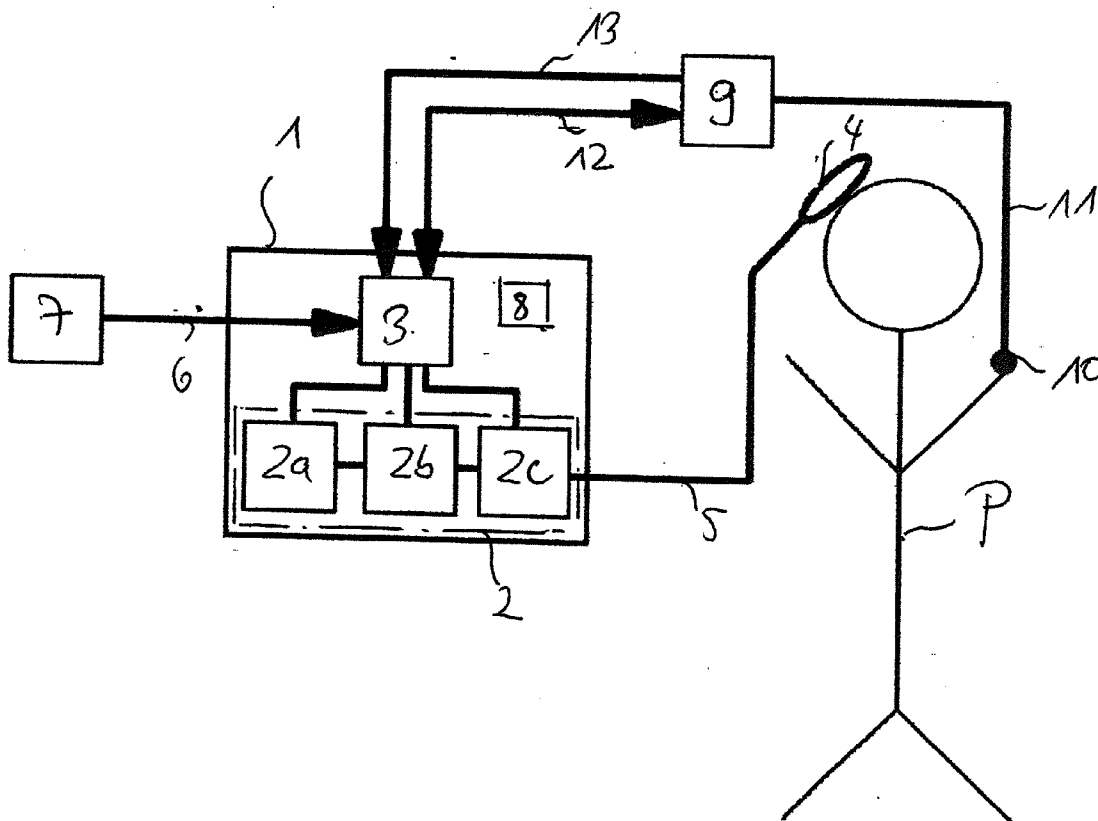
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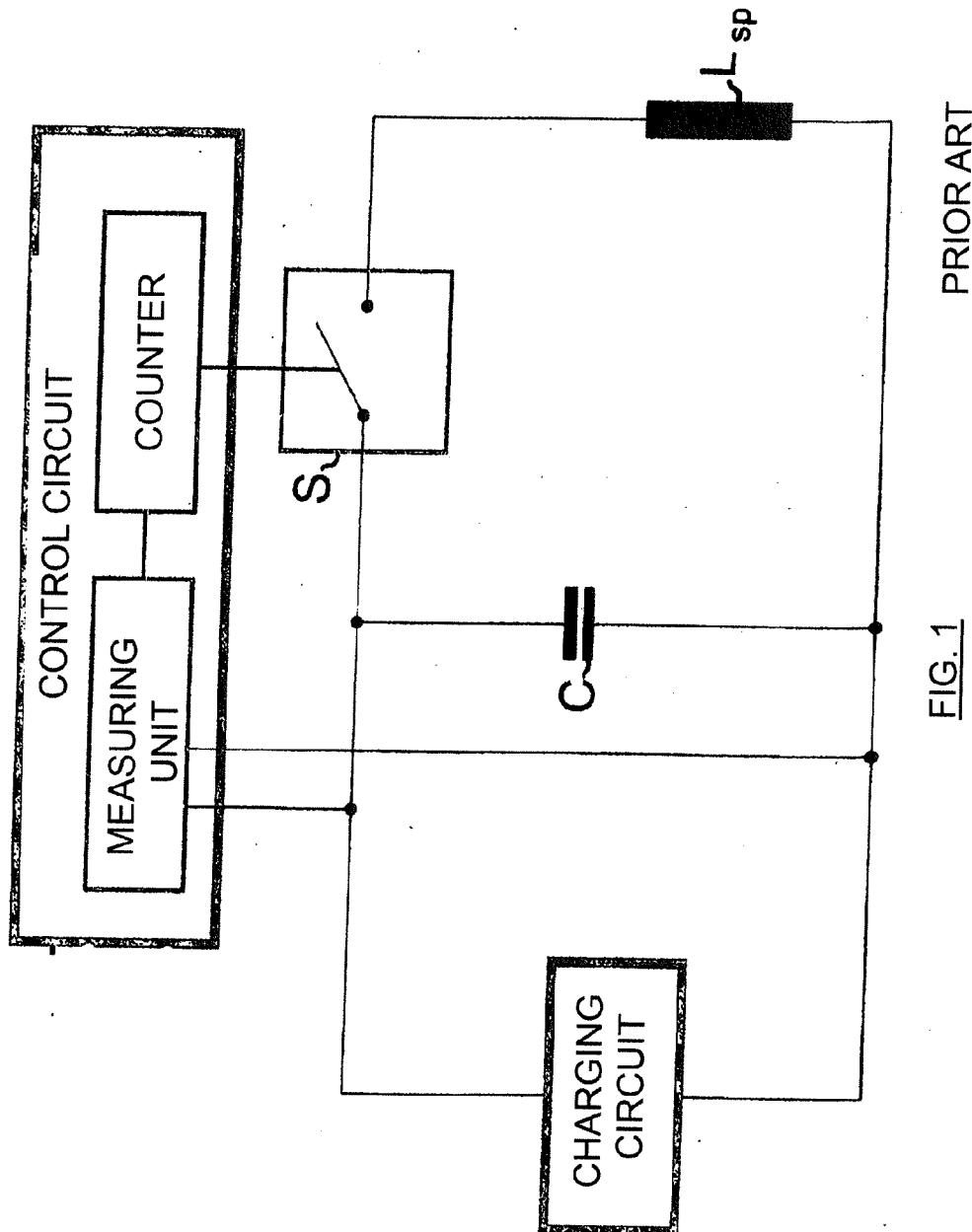
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MÜNCHEN, München (DE)****Publication Classification**(51) **Int. Cl.**
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CPC **A61N 2/02** (2013.01)(72) Inventors: **Bernhard Gleich**, Odelzhausen, OT
Sittenbach (DE); **Nikolai Jung**,
Muenchen (DE); **Volker Mall**,
Muenchen (DE); **Norbert Göttinger**,
Olching (DE)(57) **ABSTRACT**

A magnetic stimulator for stimulation of a tissue by a magnetic field, having a pulse generator device which comprises a pulse capacitor which can be charged by a charging circuit in order to generate a pulse sequence consisting of pulses and having an adjustable repeat rate; and having a programmable control device which adjusts the pulse generator device to generate a complex pulse sequence, which comprises individually configurable pulses, wherein the generated complex pulse sequence is applied to a stimulation coil in order to generate the magnetic field.

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§ 371 (c)(1),

(2) Date: **Dec. 18, 2015**



PRIOR ART

FIG. 1

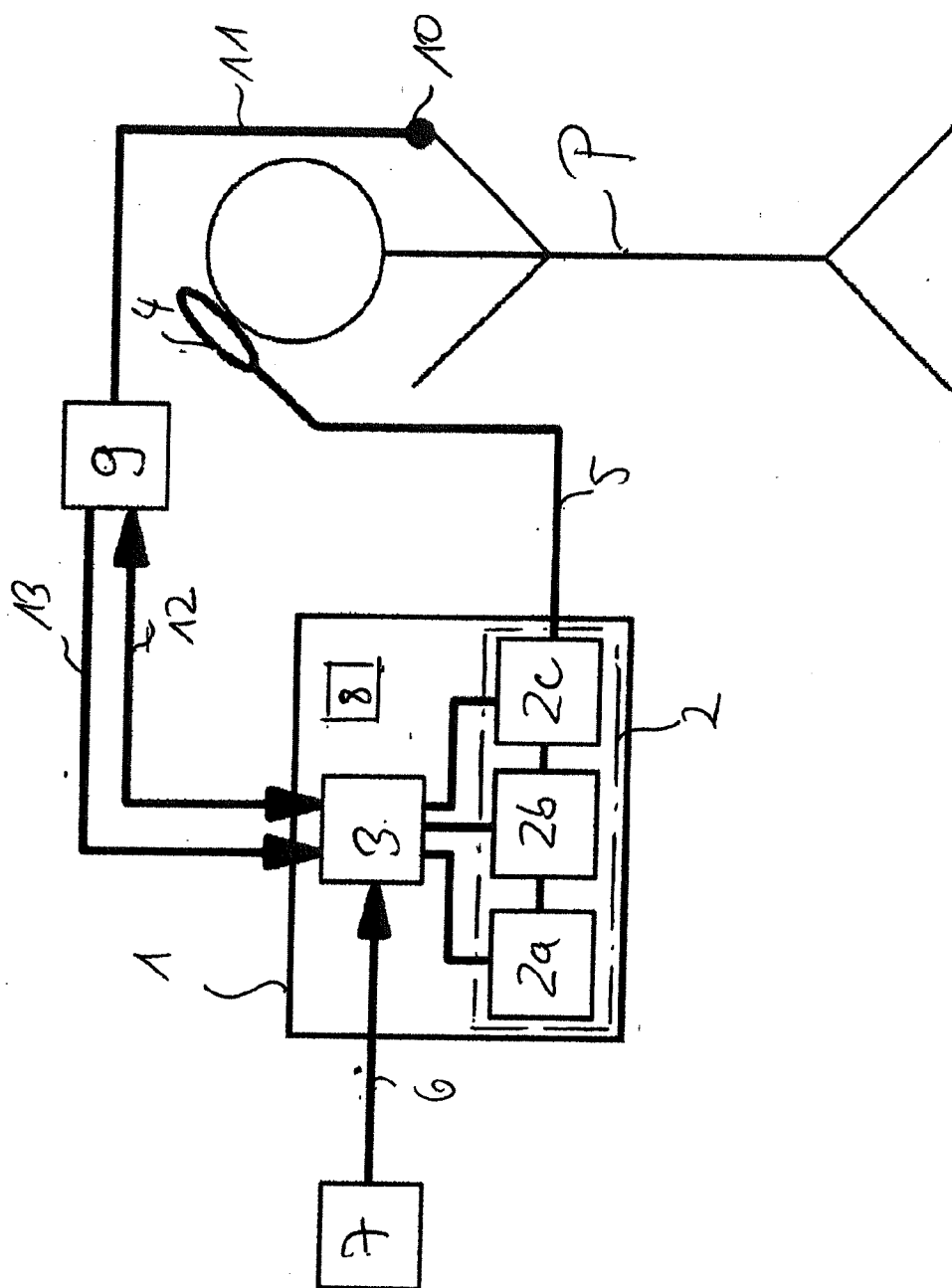


Fig. 2

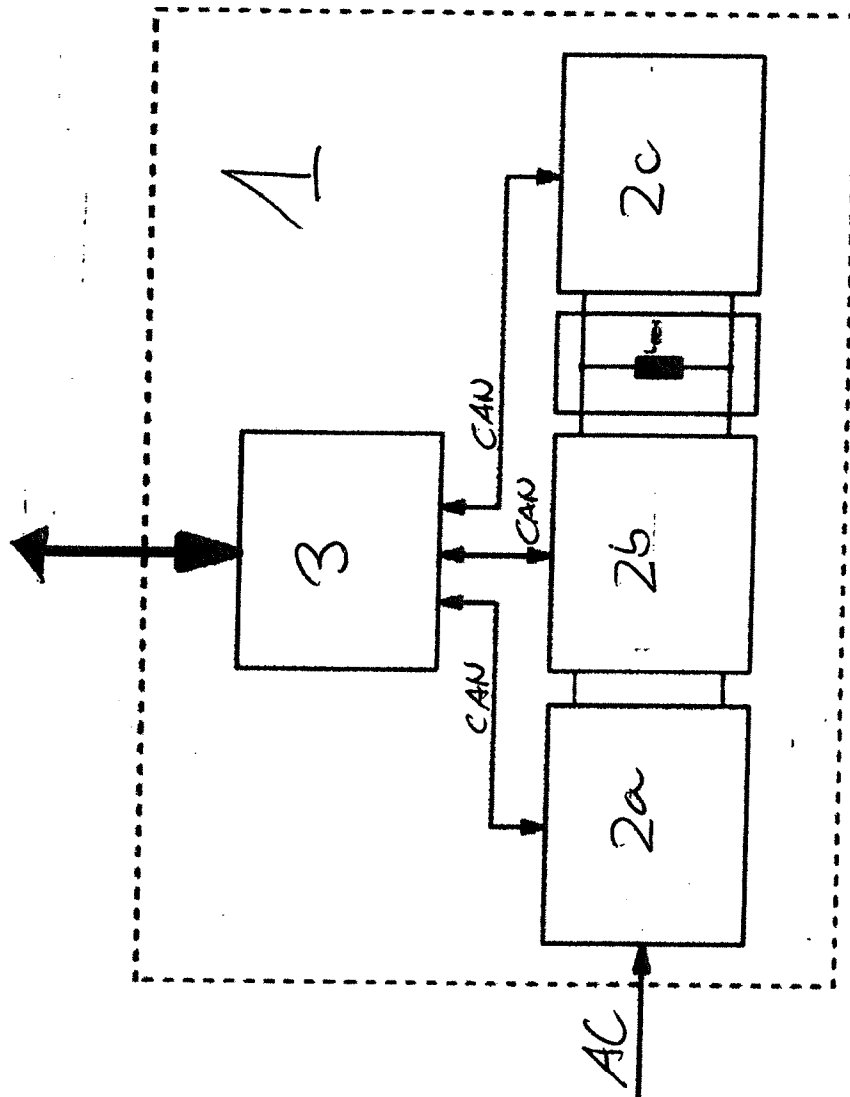


Fig. 3

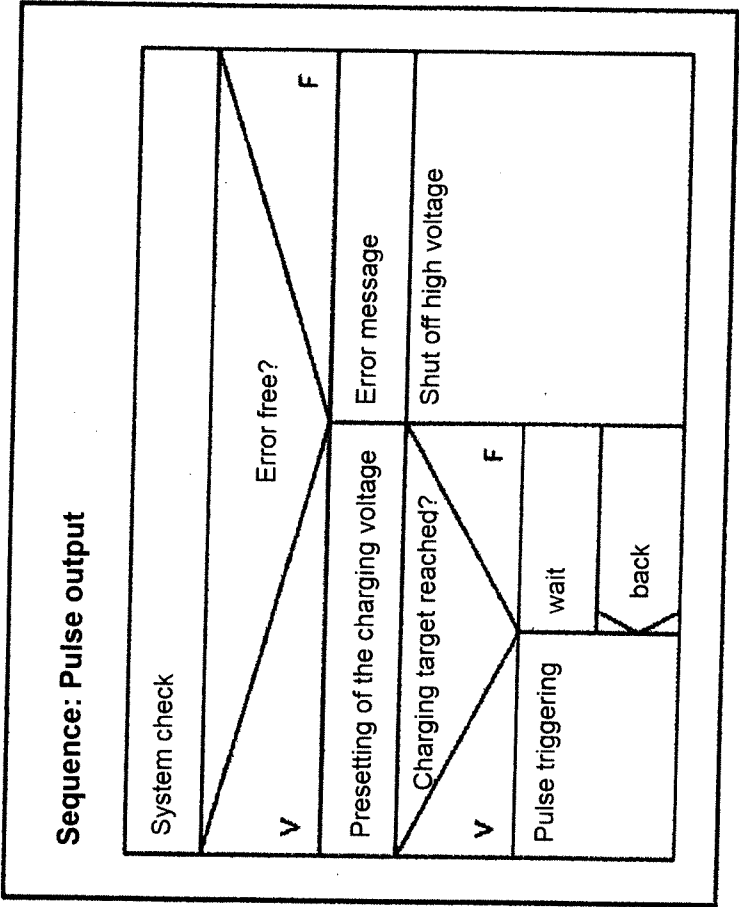


Fig. 4

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