

Claims

1. A medical system, the system comprising: an implantable medical device (1) having a switching function to switch from a normal operating mode to an MRI compatible operating mode in the presence of an MRI device (3); and an external device (2) for programming at least one setting of the implantable medical device (1);
5 **characterized in** that the external device (2) is configured, based on a programming event relating to said at least one setting, to generate a notification (211) prompting a user to confirm a continuing MRI compatibility of said MRI compatible operating mode after the programming event and/or to amend said at least one setting for achieving MRI compatibility.
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2. The medical system of claim 1, **characterized in** that the external device (2) comprises a display device (21) for visually outputting said notification (211).
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3. The medical system of claim 1 or 2, **characterized in** that the programming event relates to a change in a hardware configuration of the implantable medical device (1).
4. The medical system of one of claims 1 to 3, **characterized in** that the programming event relates to a change in a software configuration of the implantable medical device (1).
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5. The medical system of one of the preceding claims, **characterized in** that the programming event relates to a change in a setting of a therapeutic function or a diagnostic function of the implantable medical device (1).
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6. The medical system of one of the preceding claims, **characterized in** that the external device (2) is configured to effect said at least one setting of the implantable medical device (1) only if said continuing MRI compatibility of said MRI compatible operating mode is confirmed by a user in reaction to said notification.
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7. The medical system of one of the preceding claims, **characterized in** that the external device (2) is configured to generate said notification only if said switching function is enabled for switching from said normal operating mode to said MRI compatible operating mode in the presence of an MRI device (3).
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8. The medical system of one of the preceding claims, **characterized in** that the implantable medical device (1) comprises a sensing device (103) for sensing a measurement quantity indicative of a presence of an MRI device (3), and a processing device (101) for controlling operation of the implantable medical device (1) and for
10 identifying a presence of an MRI device (3) based on measurement values obtained from the sensing device (103).
9. The medical system of claim 8, **characterized in** that the implantable medical device (1) comprises a program memory (106) configured to store at least one program
15 routine (R1, R2) for operating the implantable medical device (1) in said MRI compatible operating mode, wherein the processing device (101) is configured to switch to said at least one program routine (R1, R2) for controlling operation of the implantable medical device (1) in the presence of an MRI device (3).
- 20 10. The implantable medical device (1) of claim 9, **characterized in** that said at least one program routine (R1, R2) represents an OFF mode in which a stimulation function is switched off.
11. The implantable medical device (1) of claim 9 or 10, **characterized in** that said at
25 least one program routine (R1, R2) represents an asynchronous mode employing an asynchronous stimulation.
12. An external device (2) operative in a medical system, the external device (2) being configured to program at least one setting of an implantable medical device (1) which
30 has a switching function to switch from a normal operating mode to an MRI compatible operating mode in the presence of an MRI device (3); **characterized in** that the external device (2) is configured, based on a programming event relating to

said at least one setting, to generate a notification prompting a user to confirm a continuing MRI compatibility of said MRI compatible operating mode after the programming event and/or to amend said at least one setting for achieving MRI compatibility.

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13. A method for operating a medical system, comprising: programming at least one setting of an implantable medical device (1) using an external device (2), the implantable medical device (1) having a switching function to switch from a normal operating mode to an MRI compatible operating mode in the presence of an MRI device (3); **characterized by** generating, using the external device (2) and based on a programming event relating to said at least one setting, a notification prompting a user to confirm a continuing MRI compatibility of said MRI compatible operating mode after the programming event and/or to amend said at least one setting for achieving MRI compatibility.

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