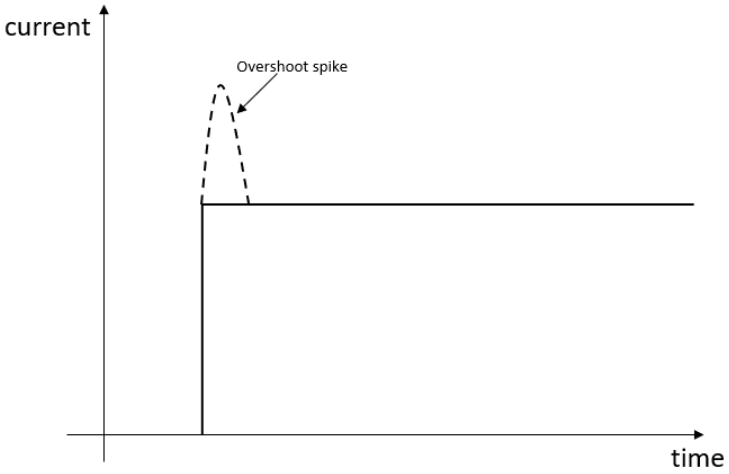
current
Overshoot spike
time

Fig. 1

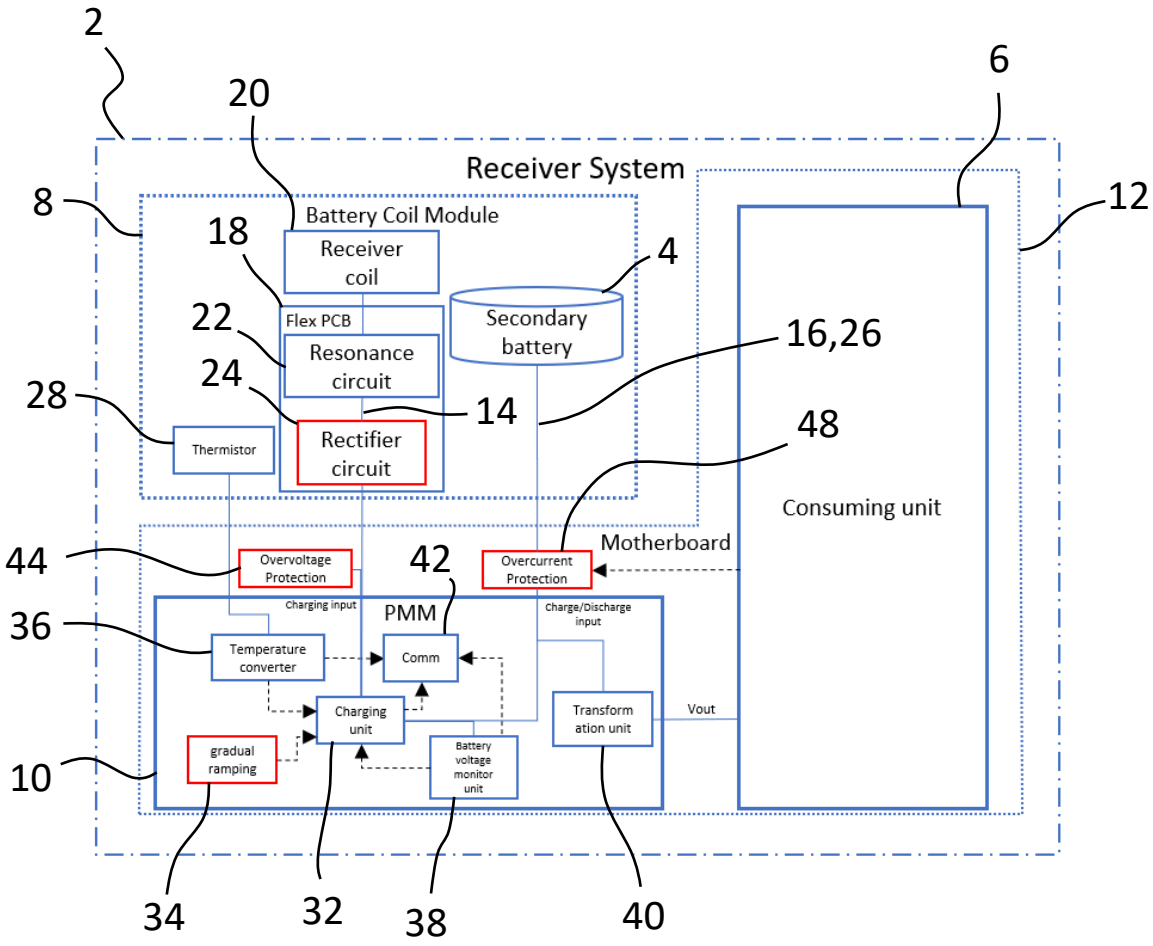
2
20
6
Receiver System
8
Battery Coil Module
12
18
Receiver coil
4
Secondary battery
22
Flex PCB
Resonance circuit
16,26
24
14
28
Thermistor
Rectifier circuit
48
Consuming unit
Motherboard
44
Overvoltage Protection
42
Overcurrent Protection
Charging input
PMM
Charge/Discharge input
36
Temperature converter
Comm
Charging unit
Transform ation unit
Vout
gradual ramping
Battery voltage monitor unit
10
34
32
38
40

Fig. 2

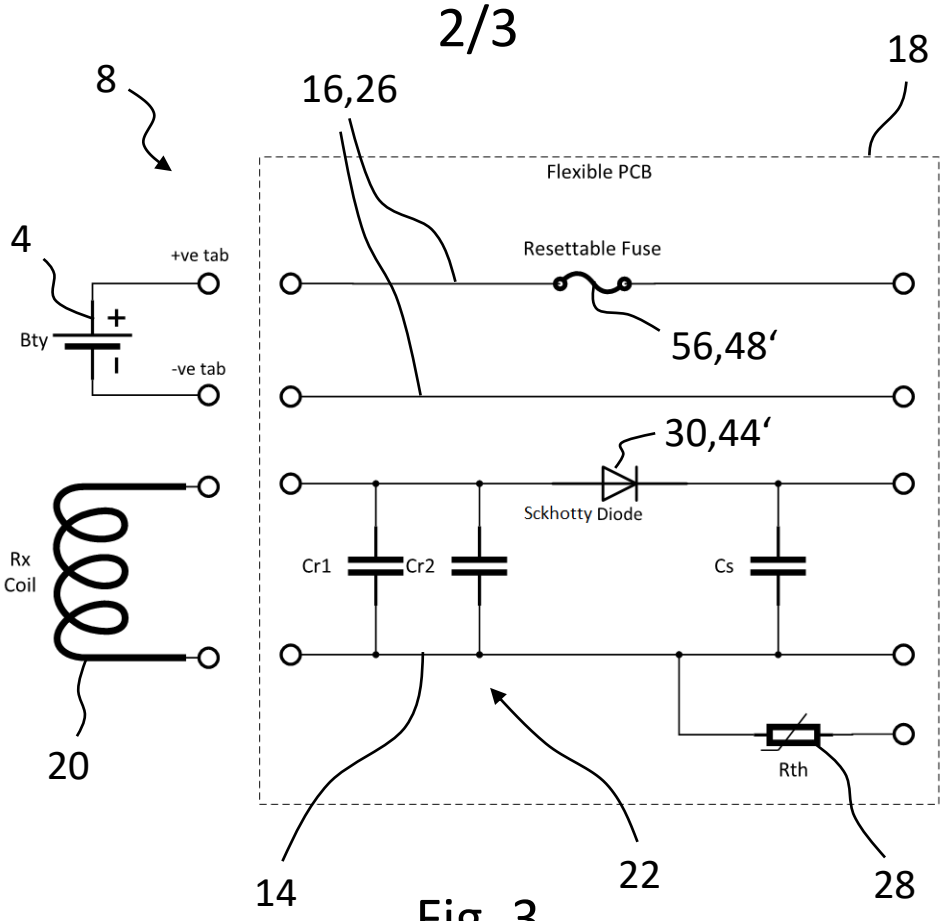
8
16,26
18
Flexible PCB
4
+ve tab
Bty
-ve tab
Resettable Fuse
56,48‘
30,44‘
Sckhotty Diode
Rx
Coil
Cr1
Cr2
Cs
Rth
20
14
22
28

Fig. 3

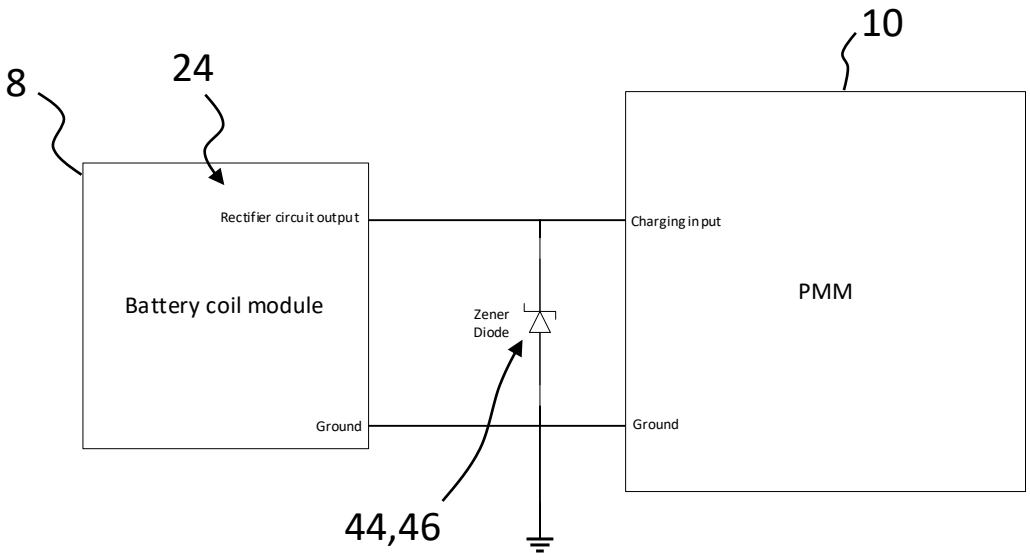
10
8
24
Rectifier circuit output
Charging input
PMM
Battery coil module
Zener
Diode
Ground
Ground
44,46

Fig. 4

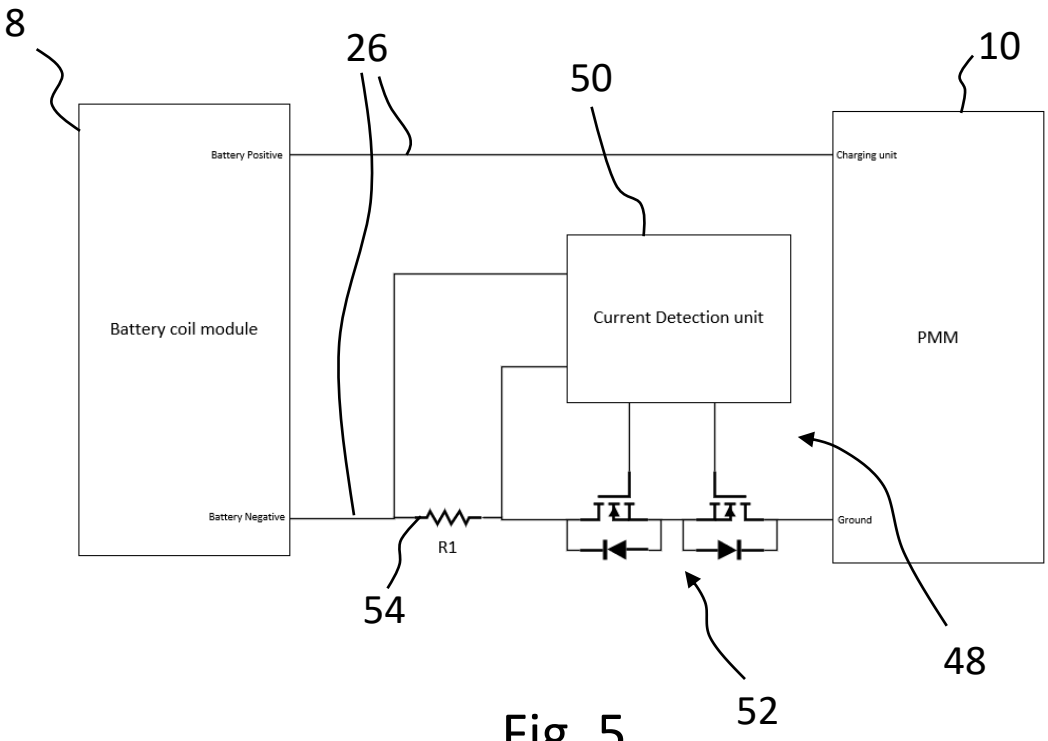
8
26
50
10
Battery Positive
Charging unit
Battery coil module
Current Detection unit
PMM
Battery Negative
Ground
R1
54
52
48

Fig. 5

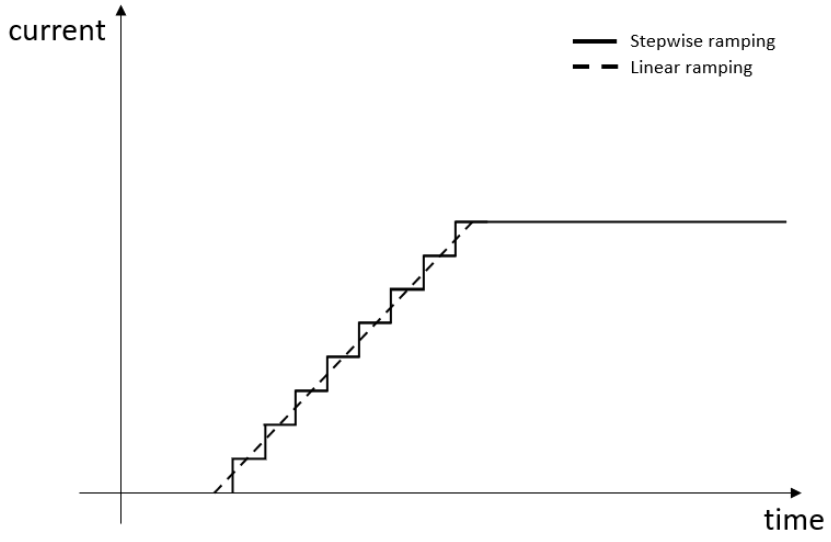
current
Stepwise ramping
Linear ramping
time

Fig. 6